



# DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest No. 1376  
Activity No.: PER19960010

Mr. J. A. Stroink  
Refinery Manager  
Chalmette Refining, L.L.C.  
Post Office Box 1007  
Chalmette, Louisiana 70044

RE: Part 70 Initial Operating permit, Oil Movements and Loading, Chalmette Refinery,  
Chalmette Refining, L.L.C., Chalmette, St. Bernard Parish, Louisiana

Dear Mr. Stroink:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2011 unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2006

Permit No.: 3004-V0

Sincerely,

Chuck Carr Brown, Ph.D.

Assistant Secretary

SGQ

cc: EPA Region VI

**ENVIRONMENTAL SERVICES**

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OIL MOVEMENTS & LOADING  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**I. Background**

Chalmette Refining, L.L.C. (CRLLC) is a joint venture between ExxonMobil Corporation (EMOC) and Petroleos de Venezuela (PDV), the Venezuelan National Oil Company. Chalmette Refinery is located on the left descending bank of Mississippi River at Mile 89 above Head-of-Passes at Chalmette and is operated by EMOC. The facility operates under a consolidated State Permit No. 2500-00005-02 dated November 18, 1988. Other Permits Nos. 2226(M-3) dated 11/27/1996; 2073 dated 5/22/1991; 2392 dated 4/29/1996; 2717 dated 4/29/2001; 2736 dated 8/14/2001; 2745 dated 9/12/2001; 2746 dated 9/12/2001; and 2766 dated 12/5/2001 were issued in the past. Other permits were also issued since 1988. This permit deals with the operation of Oil Movements and Loading at the facility.

**II. Origin**

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) submitted on October 14, 1996 and an updated application and EIQ dated September 29, 2005 for the Oil Movements & Loading Part 70 Operating permit. Additional information dated January 23 and March 3, 2006 was also received.

**III. Description**

Chalmette Refinery is an integrated crude operation (high conversion), which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing benzene/toluene/xylene (BTX), distillates, and sulfur recovery as well as by-products such as petroleum coke and LPG. The Oil Movements and Loading area deals with the operations of storage and loading out of products at the facility.

The Oil Movements consists of the following:

Tank Farms: The East Tank Farm (ETF) consists of three sections – gasoline section, diesel section, and kero section. The gasoline product is pumped to the ETF through blend lines by the pumps. The high sulfur diesel product is pumped to the ETF through a single feed line from the Hydrodesulfurization Unit, Diesel Treater, Cat Feed Hydrotreater Unit, or the Hydrocracker Unit. The kero product is pumped from the Kero Treater, No. 1 Crude Unit, Hydrodesulfurization Unit, or the Hydrocracker Unit. These products are then routed for sales via Collins Manifold.

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CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

The West Tank Farm (WTF) receives feed from multiple units. The WTF is divided into three primary storage areas – gas oils storage (sweet, sour and low sulfur diesel), naphtha storage, and other storage. Gas oil storage consists of four tanks which store excess feed. The sweet gas oil is pumped to the WTF from No. 1 Crude/Coker Units. Sour gas oil is pumped to the WTF from the No. 2 Crude/Coker Units. Low sulfur diesel is pumped to the WTF from the Hydrodesulfurization Unit.

Naphtha Storage consists of four tanks which store various naphtha hydrocarbons. Naphtha Storage is divided into four services – No. 3 Pretreater Stripper Bottoms/Medium Isomax, No. 1 Prefac Bottom/Atmospheric Overhead, No. 2 Prefac Bottoms, and Purchased Naphtha. The naphtha is then transferred to one of the other naphtha tanks located in the refinery units for use by No. 1 Reformer, No. 3 Reformer, No. 3 Pretreater, or No. 1 Crude Unit.

Other Storage consists of five tanks which store a variety of intermediate and finished products. Other storage is divided into the following services – domestic crude, diesel bunker fuel, vacuum tower bottoms, and oil blend/FCC slurry. Domestic crude and vacuum tower bottoms are sent back to the refinery units for processing. Diesel bunker fuel, also called High Sulfur Diesel is loaded at the dock. Oil Blend/FCC Slurry is routed to the dock for sale.

**Light Ends Storage (LES) & Loading:** This section includes the following areas – Propane Section, Propane-Propylene Section, Butane Section, Gasoline Section, and Olefins Section.

The propane stream is pumped to LES from the Light Ends Plant. The Propane Section consists of Propane Feed, Propane Bullets, and Propane Discharge. From the LES the propane can be pumped to the Bulk Plant or The Docks for sale, to the Fuel Vaporizer for the plant fuel system, or to the Paraxylene Unit for use as a refrigerant.

The Propane-Propylene (P-P) is pumped to the LES from the Alky Unit. This section consists of P-P Feed, P-P Storage, P-P Circulation, and P-P Discharge. From the LES the P-P can be pumped to the sales pipeline or to the Docks or Racks for sale.

**Butane Section:** The normal butane stream is pumped to the LES from the Bulk Plant, Alky Unit, or Light Ends Plant. The isobutene stream is pumped to the LES from Light Ends Plant, Bulk Plant, or the Docks. The butane section consists of Butane Feed, Butane Intermediate Storage, Butane Spheres, Vaporizer and Compressors, and Butane Transfer/Discharge. From the Butane Section normal butane can be pumped to the Docks, Bulk Plant, Gas Liquids Recovery or Gasoline Blending, whereas, the isobutane is normally discharged to the Alky Unit.

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**Gasoline Components Section:** This section consists of a single sphere. Various gasoline components are temporarily stored in this sphere and then routed to the Docks for sale or to Gasoline Blending.

**Olefins Section:** The olefins from the Fluid Catalytic Cracking Unit are routed to the Olefins Section for storage. This section consists of Olefins Feed, Olefins Storage, Chillers, and Olefins Discharge. The olefins are pumped out to the Alky Unit, Heavy Vacuum Gas Oil Unit, or Docks.

**Bulk Plant:** The Bulk Plant receives feed from tank trucks or Light Ends Storage and can route feed to Light End Storage or to tank trucks for off-site storage or sale. This plant consists of storage tanks, tank truck racks, and two bullets. This equipment is used for loading/unloading liquid petroleum gases, including propane, normal butane, isobutane, P-P Mix, olefins, pentane, and light straight run.

**Wharf:** The wharf consists of five primary loading/unloading facilities – No. 1 Dock, No. 2 Dock, No. 4 Dock, No. 6 Dock, and the Crude Terminal.

**Railcar & Truck Loading:** The railcar and truck loading racks consists of two loading racks – Petro Chemical Racks and the Caustic Racks which are included in the Oil Movements & Loading.

**Marine Vapor Recovery Flare:** The marine vapor recovery system is used to recover condensate and control vapors generated from barge, ship, truck, and railcar loading. The marine vapor recovery system is designed to evacuate the vapors from sealed compartments, collect and recover condensate, and then enrich the vapors with natural gas prior to combustion in Flare No. 3.

**Crude Terminal:** The crude terminal provides facilities to segregate the crude oil into Domestic Field and Foreign Field. The Domestic Field (sweet crude oil) is pumped to the Crude Terminal from barges and ships at the Docks or from the Empire Pipeline for storage and to be processed predominantly in the No. 1 Crude Unit. Foreign Field (sour crude oil) is pumped to the Crude Terminal from barges and ships at the Docks. Foreign Field also includes other recovered oils and recyclable products from the refinery units, tanks, and benzene recovery unit storage in the ETF for storage and to be processed predominantly in No. 2 Crude Unit.

**Treating Area:** This area treats and stores various unit feeds, products, and waste. The Treating Unit consists of Kero/Diesel Treating, Excess Tanks, Booster Pump Manifold, Sour Water Storage, and Slop Oil Storage. Kero/Diesel Treating receives untreated kerosene and diesel from No. 1 Crude Unit. The treating process consists of removing impurities by adding caustic and passing through a precipitator where spent caustic is

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separated. Then the stream is passed through a water wash tower to remove water soluble impurities. Salt dryers are used to remove water and clay to remove surfactants and particulates. The treated kerosene is then pumped to finished product storage in the ETF. Sweet diesel from the No. 1 Crude Unit is passed through a salt dryer to remove any traces of water then it is pumped to the ETF for storage as High Sulfur Diesel.

Excess Tanks are used for storing excess products or recovered oils or feed (gas oils, vacuum tower bottoms, light gas oil, vacuum gas oil, kerosene light cycle oil) from the Crude/Coker Units and FCC Units.

**Booster Pump Manifold:** The Booster Pump Manifold is used to transfer product like kerosene and diesel to and from Treating Area and between Hydrodesulfurization Unit, East Tank Farm, West Tank Farm, Fluidized Catalytic Cracking Unit and other units.

**Sour Water Storage:** The purpose of the Sour Water Storage area is to separate, store, and transfer sour water to the Sour Water Stripper. Sour water from the refinery units is stored in the Treating Area. Sour recovered oil is separated from the sour water and pumped to Slop Oil Storage and the sour water is pumped to the Sour Water Stripper.

**Slop Oil Storage:** The Slop Oil Storage area receives slop oil and transfers the recovered oil to the Crude Terminal. The slop oil from the refinery sumps and APIs is pumped to tanks. Wastewater is separated and sent to Sour Water System or Benzene Recovery Unit. Recovered oil is pumped to the Crude Terminal and blended with incoming crude.

**Laboratory Area:** The Lab Area consists of fume hoods which are used to vent vapors during routine analyses of samples taken at the refinery. The Lab Area also includes four gasoline engines which are used for testing octane rating.

Chalmette Refinery is proposing to update emissions based on the installation of carbon canister on tanks where required, spent caustic loading changes due to the No. 2 Crude/Coker Units, ultra low sulfur diesel loading changes, and modify the MTBE Line with minimal addition of fugitive components.

Permitted emissions from the Oil Movements & Loading in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>
PM <sub>10</sub>	2.53
SO <sub>2</sub>	0.02
NO <sub>x</sub>	8.50
CO	46.26
VOC	1429.12

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**IV. Type of Review**

This application was reviewed for compliance with the Louisiana Part 70 operating permits program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance plan was approved on March 13, 1996, the LDAR provisions were approved on October 11, 1996 and the SOCMI HON wastewater provisions were approved on May 21, 1996. The facility has submitted a Part 1 application as required by the Clean Air Act Amendments 112(j).

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on December\*\*, 2005. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on December\*\*, 2005. The proposed permit was sent to EPA via e-mail on December\*\*, 2005.

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**VII. Effects on Ambient Air**

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ( $\mu\text{g}/\text{m}^3$ )	Louisiana Air Quality Standard (NAAQS) ( $\mu\text{g}/\text{m}^3$ )
None			

**VIII. General Condition XVII Activities**

Emergency Generators Diesel Fired Engines	172 events/yr	
NO <sub>x</sub>	2.38 tons/yr	
CO	0.62 tons/yr	
SO <sub>2</sub>	0.21 tons/yr	
PM <sub>10</sub>	0.17 tons/yr	
VOC	0.20 tons/yr	
Equipment Maintenance/Preparation	5000 events/yr	
PM <sub>10</sub>	0.45 tons/yr	
VOC	2.28 tons/yr	
Other Routine Activities	75000 events/yr	
PM <sub>10</sub>	<0.01 tons/yr	
VOC	3.63 tons/yr	
Water Pump Diesel Fired Engines	450 events/yr	
NO <sub>x</sub>	4.56 tons/yr	
CO	1.11 tons/yr	
SO <sub>2</sub>	0.38 tons/yr	
PM <sub>10</sub>	0.24 tons/yr	
VOC	0.29 tons/yr	
Clay Tower and Salt Drier Maintenance	3 events/yr	
PM <sub>10</sub>	2.01 tons/yr	
VOC	2.60 tons/yr	
Temporary Storage Containers	25 containers/yr	
VOC	2.70 tons/yr	

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**VIII. General Condition XVII Activities (Contd.)**

Diesel Engine from Salt Drier and Clay Tower	3 engines/yr	
	NO <sub>x</sub>	0.74 tons/yr
	CO	0.20 tons/yr
	SO <sub>2</sub>	0.07 tons/yr
	PM <sub>10</sub>	0.06 tons/yr
	VOC	0.08 tons/yr

Note: All engines are less than 500 hp

**IX. Insignificant Activities**

ID No.:	Description	Citation
-	External Combustion Equipments	LAC 33:III.501.B.5.A.1
-	External Combustion Equipments than 250 gals)	LAC 33:III.501.B.5.A.2
-	Storage Tanks (Less than 10,000 gals)	LAC 33:III.501.B.5.A.3
-	Emission from Laboratory Equipment/vents	LAC 33:III.501.B.5.A.6
-	Process Stream Analyzers	LAC 33:III.501.B.5.A.9

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OIL MOVEMENTS & LOADING

AGENCY INTEREST NO. 1376

CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																			
		5	9	11	13	15	2103	2107	2108	2111	2113	2115	2121	2135	2137	2141	2141*	51*	52	56	59
GRP028	Oil Movements and Loading	1	1	1	1						1						1	1	1	1	1
EQT079	1-96, Truck Loading								1								1	1			1
EQT080	68, No. 3 Flare	1	1	1						1											1
EQT081	C-8901, Tank							1													1
EQT082	LD, Barge & Ship Loading									1											1
EQT083	RCL, Railcar Loading																				1
EQT084	SCL, Spent Caustic Loading																				1
EQT085	C-8902, Tank									1											1
EQT086	TK-32, Tank										2										1
EQT087	TK-33, Tank											2									1
EQT088	TK-38, Tank											2									1
EQT089	TK-50, Tank												2								1
EQT090	TK-59, Tank												2								1
EQT091	TK-64, Tank													2							1
EQT092	TK-65, Tank														2						1
EQT093	TK-66, Tank															2					1
EQT094	TK-67, Tank																2				1
EQT095	TK-75, Tank																2				1
EQT096	TK-102, Tank																2				1
EQT097	TK-104, Tank																	2			1

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		5	9	11	13	15	2103	2107	2108	2111	2113	2115	2121	2135	2137	2141	29*	51*	52	56
EQT098	TK-201, Tank						2											1		
EQT099	TK-203, Tank						2											1		
EQT100	TK-204, Tank						2											1		
EQT101	TK-205, Tank						2											1		
EQT102	TK-206, Tank						2											1		
EQT103	D-913, Tank						1											1		
EQT104	TK-1004, Tank						2											1		
EQT105	TK-1005, Tank						2											1		
EQT106	TK-1006, Tank						2											1		
EQT107	TK-1014, Tank						2											1		
EQT108	TK-1024, Tank						1											1		
EQT109	TK-5509, Tank						1											1		
EQT110	TK-6306, Tank						1											1		
EQT111	TK-6308, Tank						2											1		
EQT112	TK-6315, Tank						2											1		
EQT113	TK-6336, Tank						2											1		
EQT114	TK-6337, Tank						2											1		
EQT115	TK-6338, Tank						2											1		
EQT116	TK-6342, Tank						1											1		
EQT117	TK-6345, Tank						2											1		
EQT118	TK-6352, Tank						2											1		

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																			
		5	9	11	13	15	2103	2107	2108	2111	2113	2115	2121	2135	2137	2141	29*	51*	52	56	59
EQT119	TK-6360, Tank																				
EQT120	TK-184874, Tank																				
EQT121	TK-184878, Tank																				
EQT122	TK-1, Tank																				
EQT123	TK-2, Tank																				
EQT124	TK-3, Tank																				
EQT125	TK-4, Tank																				
EQT126	TK-5, Tank																				
EQT127	TK-6, Tank																				
EQT128	TK-10, Tank																				
EQT129	TK-31, Tank																				
EQT130	TK-36, Tank																				
EQT131	TK-52, Tank																				
EQT132	TK-53, Tank																				
EQT133	TK-54, Tank																				
EQT134	TK-55, Tank																				
EQT135	TK-56, Tank																				
EQT136	TK-58, Tank																				
EQT137	TK-60, Tank																				
EQT138	TK-61, Tank																				
EQT139	TK-68, Tank																				

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																		
		5	9	11	13	15	2103	2107	2108	2111	2113	2115	2121	2135	2137	2141	29*	51*	52	56
EQT140	TK-69, Tank																		1	
EQT141	TK-71, Tank																		1	
EQT142	TK-72, Tank																		1	
EQT143	TK-76, Tank																		1	
EQT144	TK-200, Tank																		1	
EQT145	TK-202, Tank																		1	
EQT146	TK-220, Tank																		1	
EQT147	TK-226, Tank																		1	
EQT148	TK-300, Tank																		1	
EQT149	TK-301, Tank																		1	
EQT150	TK-302, Tank																		1	
EQT151	TK-303, Tank																		1	
EQT152	TK-304, Tank																		1	
EQT153	TK-305, Tank																		1	
EQT154	TK-306, Tank																		1	
EQT155	TK-307, Tank																		1	
EQT156	TK-308, Tank																		1	
EQT157	TK-309, Tank																		1	
EQT158	TK-310, Tank																		1	
EQT159	TK-400, Tank																		1	
EQT160	TK-401, Tank																		1	

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**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:II Chapter																		
		5	9	11	13	15	2103	2107	2108	2111	2113	2115	2121	2135	2137	2141	29*	51*	52	56
EQT161	TK-402, Tank																			
EQT162	TK-403, Tank																			
EQT163	TK-404, Tank																			
EQT164	TK-405, Tank																			
EQT165	TK-406, Tank																			
EQT166	TK-407, Tank																			
EQT167	TK-408, Tank																			
EQT168	TK-409, Tank																			
EQT169	TK-1405, Tank																			
EQT170	TK-1406, Tank																			
EQT171	TK-6301, Tank																			
EQT172	TK-6302, Tank																			
EQT173	TK-6303, Tank																			
EQT174	TK-6304, Tank																			
EQT175	TK-6305, Tank																			
EQT176	TK-6309, Tank																			
EQT177	TK-6310, Tank																			
EQT178	TK-6313, Tank																			
EQT179	TK-6314, Tank																			
EQT180	TK-6343, Tank																			
EQT181	TK-6344, Tank																			

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ID No.:	Description	LAC 33:III:Chapter																		
		5	9	11	13	15	2103	2107	2108	2111	2113	2115	2121	2135	2137	2141	29*	51*	52	56
EQT182	SD-OM, Sphere Drain																			
EQT256	MPV, Miscellaneous Process Vents																			
EQT259	TK-8900, Fixed Roof Tank							2												
EQT260	TK-8901, Fixed Roof Tank								2											
FUG007	FE-OM, Fugitives Oil Movements										1									

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

\* The regulations indicated above are State Only regulations except for LAC 33:III:501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OIL MOVEMENTS & LOADING**  
**AGENCY INTEREST NO. 1376**  
**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY**  
**CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61												40				
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	68	82					
GRP028	Oil Movements and Loading	1					1					1	1													1	1			
EQT079	1-96, Truck Loading																													
EQT080	68, No. 3 Flare	1																												
EQT081	C-8901, Tank	2	2	2								1/2																		
EQT082	LD, Barge & Ship Loading																													
EQT083	RCL, Railcar Loading																													
EQT084	SCL, Spent Caustic Loading																													
EQT085	C-8902, Tank	2	2	2								1/2																		
EQT086	TK-32, Tank	2	2	2								2																		
EQT087	TK-33, Tank	2	2	2								2																		
EQT088	TK-38, Tank	2	2	2								2																		
EQT089	TK-50, Tank	2	2	2								2																		
EQT090	TK-59, Tank	2	2	2								2																		
EQT091	TK-64, Tank	2	2	2								2																		
EQT092	TK-65, Tank	2	2	2								2																		
EQT093	TK-66, Tank	2	2	2								1/2																		
EQT094	TK-67, Tank	2	2	2								2																		
EQT095	TK-75, Tank	2	2	2								2																		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40					
		A	J	K	K <sub>a</sub>	K <sub>b</sub>	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	68	82
EQT096	TK-102, Tank	2	2																					1	
EQT097	TK-104, Tank	2	2	2																				1	
EQT098	TK-201, Tank	2	2	2																				1	
EQT099	TK-203, Tank	2	2	2																				1	
EQT100	TK-204, Tank	2	2	2																				1	
EQT101	TK-205, Tank	2	2	2																				1	
EQT102	TK-206, Tank	2	2	2																				1	
EQT103	D-913, Tank	2	2	2																				1	
EQT104	TK-1004, Tank	2	2	2																				1	
EQT105	TK-1005, Tank	2	2	2																				1	
EQT106	TK-1006, Tank	2	2	2																				1	
EQT107	TK-1014, Tank	2	2	2																				1	
EQT108	TK-1024, Tank	2	1	2																				1	
EQT109	TK-5509, Tank	2	2	2																				1	
EQT110	TK-6306, Tank	2	2	2																				1	
EQT111	TK-6308, Tank	2	2	2																				1	
EQT112	TK-6315, Tank	2	2	2																				1	
EQT113	TK-6336, Tank	2	2	2																				1	
EQT114	TK-6337, Tank	2	2	2																				1	
EQT115	TK-6338, Tank	2	2	2																				1	
EQT116	TK-6342, Tank	2	2	2																				1	

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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 AGENCY INTEREST NO. 1376  
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 CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40						
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	68	82	
EQT117	TK-6345, Tank	2	2	2																						
EQT118	TK-6352, Tank	2	2	2																					1	
EQT119	TK-6360, Tank	2	2	2	1																				1	
EQT120	TK-184874, Tank	2	2	2																					2	
EQT121	TK-184878, Tank	2	2	2																					2	
EQT122	TK-1, Tank	2	2	2																					1	
EQT123	TK-2, Tank	2	2	2																					1	
EQT124	TK-3, Tank	2	2	2																					1/-	2
EQT125	TK-4, Tank	2	2	2																					1	
EQT126	TK-5, Tank	2	2	2																					1	
EQT127	TK-6, Tank	2	2	2																					1	
EQT128	TK-10, Tank	2	2	2																					1	
EQT129	TK-31, Tank	2	2	1																					1	
EQT130	TK-36, Tank	2	2	2																					1	
EQT131	TK-52, Tank	2	2	2																					1	
EQT132	TK-53, Tank	2	2	2																					1	
EQT133	TK-54, Tank	2	2	2																					1	
EQT134	TK-55, Tank	2	2	2																					1	
EQT135	TK-56, Tank	2	2	2																					1	
EQT136	TK-58, Tank	2	2	2																					1	
EQT137	TK-60, Tank	2	2	1																					1	

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## OIL MOVEMENTS &amp; LOADING

AGENCY INTEREST NO. 1376

CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

## X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61							40 CFR 63 NESHAP						
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	68	82
EQT138	TK-61, Tank			2	2	2				2															1
EQT139	TK-68, Tank			2	2	2				2															1
EQT140	TK-69, Tank			2	2	2				2															1
EQT141	TK-71, Tank			1	2	2				1/2										1	1/2				1
EQT142	TK-72, Tank			1	2	2				1/2														1	1/2
EQT143	TK-76, Tank			2	2	1				1/2														1	1
EQT144	TK-200, Tank			2	2	2				2														1	1/2
EQT145	TK-202, Tank			2	2	2				2														1	1/2
EQT146	TK-220, Tank			2	2	2				2														1	1
EQT147	TK-226, Tank			2	2	2				2														1	1/2
EQT148	TK-300, Tank			2	2	2				2														1	1
EQT149	TK-301, Tank			2	2	2				2														1	1
EQT150	TK-302, Tank			2	2	2				2														1	1
EQT151	TK-303, Tank			2	2	2				2														1	1
EQT152	TK-304, Tank			1	2	2				2														1	1
EQT153	TK-305, Tank			1	2	2				2														1	1
EQT154	TK-306, Tank			1	2	2				2														1	1
EQT155	TK-307, Tank			1	2	2				2														1	1
EQT156	TK-308, Tank			2	1	2				2														1	1
EQT157	TK-309, Tank			2	2	1				2														1	1
EQT158	TK-310, Tank			2	2	1				2														1	1

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AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61							40 CFR 63 NESHAP							
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	68	82
EQT159	TK-400, Tank			2	1	2					2													1	
EQT160	TK-401, Tank			2	1	2					2													1	
EQT161	TK-402, Tank			2	1	2					2													1	
EQT162	TK-403, Tank			2	1	2					2													1	
EQT163	TK-404, Tank			2	1	2					2													1	
EQT164	TK-405, Tank			2	1	2					2													1	
EQT165	TK-406, Tank			2	1	2					2													1	
EQT166	TK-407, Tank			2	1	2					2													1	
EQT167	TK-408, Tank			2	1	2					2													1	
EQT168	TK-409, Tank			2	1	2					2													1	
EQT169	TK-1405, Tank			2	2	1					1/2													1	
EQT170	TK-1406, Tank			2	2	1					1/2													1	
EQT171	TK-6301, Tank			2	2	1					1/2													1	1/-
EQT172	TK-6302, Tank			2	2	1					1/2													1	1/-
EQT173	TK-6303, Tank			2	2	2					2													1	
EQT174	TK-6304, Tank			2	2	1					1/2													1	1/-
EQT175	TK-6305, Tank			2	2	2					2													1	
EQT176	TK-6309, Tank			2	2	2					2													1	
EQT177	TK-6310, Tank			2	2	2					2													1	
EQT178	TK-6313, Tank			2	2	2					2													1	
EQT179	TK-6314, Tank			2	2	2					2													1	

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CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 61												40			
		A	J	K	Ka	Kb	UU	VV	GGG	QQQ	YYY	A	J	M	V	BB	FF	A	F	G/H	CC	Q	Y	68	82				
EQT180	TK-6343, Tank			2	2	2				2													1	1/-	2				
EQT181	TK-6344, Tank			2	2	2				2														1					
EQT182	SD-OM, Sphere Drain Emissions																												
EQT256	MPV, Miscellaneous Process Vents																												
EQT259	TK-8900, Fixed Roof Tank																								1	1/-	2		
EQT260	TK-8901, Fixed Roof Tank																								1	1/-	2		
FUG007	FE-OM, Fugitives Oil Movements											1	1/2		1		1						1	1/1	1				

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.  
Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OIL MOVEMENTS & LOADING**

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**CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
GRP028 Oil Movements and Loading	Compliance Assurance Monitoring for Major Stationary Sources	Exempt	40 CFR 64.2(b)	The initial TV application was deemed complete by LDEQ before April 20, 1998.
EQT082 Barge/Ship Loading	NESHAP, Subpart Y – Marine Tank Vessel Loading Operations NESHAP, Subpart CC – Petroleum Refineries	Does not apply	40 CFR 63.560(a), (b), and (d) 40 CFR 63.640(c)(6)	From this operations less than 10/25 tons per year and less than 10 MM barrels
EQT083 Railcar Loading	NESHAP, Subpart R – Gasoline Distribution Facilities NESHAP, Subpart CC – Petroleum Refineries	Does not apply	40 CFR 63.421 40 CFR 63.641	Not a gasoline loading rack
EQT086 thru EQT102, EQT104 thru EQT107, EQT111 thru EQT115, EQT117 thru EQT119, EQT259, EQT260 Tanks	Control of Emissions of Organic Compounds – Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.A	The max. total vapor pressure of the stored material is less than 1.5 psia
EQT081, EQT85 thru EQT88, EQT90 thru EQT94, EQT097 thru EQT102, EQT104 thru EQT107, EQT109 thru EQT116, EQT122, thru EQT128, EQT130 thru EQT136, EQT138 thru 140, EQT144 thru EQT151, EQT173, and EQT175 thru EQT181 Tanks	NSPS, Subpart K NSPS, Subpart Ka NSPS, Subpart Kb	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Based on date of construction

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**CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
EQT89, EQT108, EQT156, and EQT159 thru EQT168, EQT259, EQT260 Tanks	NSPS, Subpart K NSPS, Subpart Kb	Does not apply	40 CFR 60.110 40 CFR 60.110b	Based on date of construction
EQT95, EQT96 and EQT117 thru EQT119, EQT259, EQT260 Tanks	NSPS, Subpart K NSPS, Subpart Ka NSPS, Subpart Kb	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Based on date of construction Based on Date of construction Based on capacity and/or vapor pressure
EQT103, EQT120, and EQT121 Tanks	NSPS, Subpart K NSPS, Subpart Ka NSPS, Subpart Kb	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Based on capacity
EQT129, EQT137, EQT143, EQT157, EQT158, EQT169 thru EQT172, and EQT174 Tanks	NSPS, Subpart K NSPS, Subpart Ka	Does not apply	40 CFR 60.110 40 CFR 60.110a	Based on date of construction
EQT141, EQT142, and EQT152 thru EQT155 Tanks	NSPS, Subpart Ka NSPS, Subpart Kb	Does not apply	40 CFR 60.110a 40 CFR 60.110b	Based on date of construction
EQT086 thru EQT092, EQT094 thru EQT099, EQT102, EQT111 thru EQT115, EQT117 thru EQT128, EQT130 thru EQT140, EQT144 thru EQT168, EQT173, EQT175 thru EQT181 Tanks	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater System	Does not apply	40 CFR 63.690(a)	The tanks are not part of an affected facility

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CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
EQT081, EQT085, EQT93, EQT100, EQT101, EQT103 thru EQT110, EQT116, EQT129, EQT141 thru EQT143, EQT169 thru EQT172, and EQT174	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement.
EQT 120 and EQT121 Tanks	NESHAP, Subpart CC – Petroleum Refineries, Storage Vessel Provisions	Does not apply	40 CFR 63.641	Tank capacity less than the threshold
EQT088, EQT099, EQT102, EQT124, EQT144 thru EQT147, EQT180	NESHAP, Subpart CC – Petroleum Refineries, Storage Vessel Provisions	Does not apply	40 CFR 63.640	The storage vessels are assigned to a chemical manufacturing processing unit. Shall comply with the requirements of NESHAP, Subpart G
EQT259 and EQT260 Tanks	NESHAP, Subpart CC – Petroleum Refineries, Storage Vessel Provisions	Does not apply	40 CFR 63.640(d)(5)	Emissions routed to a fuel gas system
FUG007	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

## 40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.  
[LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

## 40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and
  6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a

## 40 CFR PART 70 GENERAL CONDITIONS

written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

- a. Report by June 30 to cover January through March
  - b. Report by September 30 to cover April through June
  - c. Report by December 31 to cover July through September
  - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  - 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  - 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  - 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  - 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  - 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

## **40 CFR PART 70 GENERAL CONDITIONS**

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire (EIQ) dated October 14, 1996 and an updated application and EIQ dated September 29, 2005; along with supplemental information dated January 23 and March 3, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    1. Report by June 30 to cover January through March
    2. Report by September 30 to cover April through June
    3. Report by December 31 to cover July through September
    4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	2500-00005	Chalmette Refining LLC - Chalmette Refinery	CDS Number	05-27-1993
	2500-0005	Chalmette Refining LLC - Chalmette Refinery	Emission Inventory	03-03-2004
	13-5401570	Mobil Oil Corp	Federal Tax ID	08-07-2002
	LADD008179707	Chalmette Refining LLC	Hazardous Waste Notification	10-22-2002
	PMT/CA	GPRAs Baselines	Hazardous Waste Permitting	10-01-1997
	00597	Chalmette Refining	Inactive & Abandoned Sites	11-23-1999
	LA0004260	WPC File Number	LPDES Permit #	05-22-2003
	WP0569	WPC State Permit Number	LWDPS Permit #	06-25-2003
	WP3391	WPC State Permit Number	LWDPS Permit #	06-25-2003
	LA-2247-L01	Radioactive Material License	Radiation License Number	01-19-1999
	6264	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
	GD-087-1774	Mobil Oil Corp	Solid Waste	01-08-2002
	GD-087-1774	Site ID #	Solid Waste Facility No.	11-21-1999
	19637	Exxon Co USA - Chalmette Terminal	TEMPO Merge	04-24-2001
	36173	Mobil Oil Corp	TEMPO Merge	04-26-2001
	38796	ExxonMobil Oil Corp - Chalmette Refining LLC	TEMPO Merge	12-16-2003
	44916	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	05-22-2001
	45047	Chalmette Refining LLC - A Delaware Ltd Liability Co	TEMPO Merge	03-28-2001
	47202	Mobil Oil Corp - Chalmette Refinery	TEMPO Merge	10-02-2001
	2500-0005	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
	70143TNNCL500WE	TRI#	Toxic Release Inventory	07-09-2004
	01-269	Motor Fuel Delivery Certificate #	Underground Storage Tanks	08-07-2002
	44-015380	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-12-2002
			Main FAX:	5042811365
			Main Phone:	5042811212
			Relationship	
Physical Location:				
Mailing Address:	PO Box 1007 Chalmette, LA 700441007			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Robert Cooper	PO Box 1007 Chalmette, LA 700441007	5042320276 (WP)	Katrina Response Contact for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Radiation Safety Officer for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Air Permit Contact For
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Radiation Contact For

## General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Accident Prevention Contact for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Solid Waste Billing Party for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Haz. Waste Billing Party for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Water Billing Party for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Accident Prevention Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Air Billing Party for
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Radiation License Billing Party for
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Owns
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Radiation Registration Billing Party for
	ExxonMobil Oil Corp	500 W St Bernard Hwy Chalmette, LA 70043		Accident Prevention Billing Party for
	Exxon Mobil Oil Corp	PO Box 1007 Chalmette, LA 700441007		UST Billing Party for
	ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 700441007		Operates

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT079	1-96, Truck Loading					8760 hr/yr (All Year)
EQT080	68, No. 3 Flare					8760 hr/yr (All Year)
EQT081	C-8901, Tank	1000 gallons				8760 hr/yr (All Year)
EQT082	LD, Barge/Ship Loading					8760 hr/yr (All Year)
EQT083	RCL, Railcar Loading					8760 hr/yr (All Year)
EQT084	SCL, Spent Caustic Loading					8760 hr/yr (All Year)
EQT085	C-8902, Tank	1000 gallons				8760 hr/yr (All Year)
EQT086	TK-32, Tank	2.25 million gallons				8760 hr/yr (All Year)
EQT087	TK-33, Tank	3.19 million gallons				8760 hr/yr (All Year)
EQT088	TK-38, Tank	2.29 million gallons				8760 hr/yr (All Year)
EQT089	TK-50, Tank	2.3 million gallons				8760 hr/yr (All Year)
EQT090	TK-59, Tank	5.16 million gallons				8760 hr/yr (All Year)
EQT091	TK-64, Tank	2.54 million gallons				8760 hr/yr (All Year)
EQT092	TK-65, Tank	5.16 million gallons				8760 hr/yr (All Year)
EQT093	TK-66, Tank	6.16 million gallons				8760 hr/yr (All Year)
EQT094	TK-67, Tank	2.29 million gallons				8760 hr/yr (All Year)
EQT095	TK-75, Tank	1.43 million gallons				8760 hr/yr (All Year)
EQT096	TK-102, Tank	11183 gallons				8760 hr/yr (All Year)
EQT097	TK-104, Tank	11183 gallons				8760 hr/yr (All Year)
EQT098	TK-201, Tank	2.29 million gallons				8760 hr/yr (All Year)
EQT099	TK-203, Tank	1.86 million gallons				8760 hr/yr (All Year)
EQT100	TK-204, Tank	655671 gallons				8760 hr/yr (All Year)
EQT101	TK-205, Tank	204396 gallons				8760 hr/yr (All Year)
EQT102	TK-206, Tank	1.05 million gallons				8760 hr/yr (All Year)
EQT103	D-913, Tank	1200 gallons				8760 hr/yr (All Year)
EQT104	TK-1004, Tank	73440 gallons				8760 hr/yr (All Year)
EQT105	TK-1005, Tank	73440 gallons				8760 hr/yr (All Year)
EQT106	TK-1006, Tank	305261 gallons				8760 hr/yr (All Year)
EQT107	TK-1014, Tank	102052 gallons				8760 hr/yr (All Year)
EQT108	TK-1024, Tank	327582 gallons				8760 hr/yr (All Year)
EQT109	TK-5509, Tank	17185 gallons				8760 hr/yr (All Year)
EQT110	TK-6306, Tank	460709 gallons				8760 hr/yr (All Year)
EQT111	TK-6308, Tank	460709 gallons				8760 hr/yr (All Year)
EQT112	TK-6315, Tank	10150 gallons				8760 hr/yr (All Year)
EQT113	TK-6336, Tank	464623 gallons				8760 hr/yr (All Year)
EQT114	TK-6337, Tank	468090 gallons				8760 hr/yr (All Year)
EQT115	TK-6338, Tank	1.74 million gallons				8760 hr/yr (All Year)

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
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 Air - Title V Regular Permit Initial

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT116	TK-6342, Tank	3.3 million gallons				8760 hr/yr (All Year)
EQT117	TK-6345, Tank	4.36 million gallons				8760 hr/yr (All Year)
EQT118	TK-6352, Tank	10575 gallons				8760 hr/yr (All Year)
EQT119	TK-6360, Tank	4.01 million gallons				8760 hr/yr (All Year)
EQT120	TK-184874, Tank	4 197 gallons				8760 hr/yr (All Year)
EQT121	TK-184878, Tank	4 197 gallons				8760 hr/yr (All Year)
EQT122	TK-1, Tank	2.12 million gallons				8760 hr/yr (All Year)
EQT123	TK-2, Tank	2.06 million gallons				8760 hr/yr (All Year)
EQT124	TK-3, Tank	2.06 million gallons				8760 hr/yr (All Year)
EQT125	TK-4, Tank	2.12 million gallons				8760 hr/yr (All Year)
EQT126	TK-5, Tank	2.12 million gallons				8760 hr/yr (All Year)
EQT127	TK-6, Tank	2.12 million gallons				8760 hr/yr (All Year)
EQT128	TK-10, Tank	3.8 million gallons				8760 hr/yr (All Year)
EQT129	TK-31, Tank	401939 gallons				8760 hr/yr (All Year)
EQT130	TK-36, Tank	2.42 million gallons				8760 hr/yr (All Year)
EQT131	TK-52, Tank	3.05 million gallons				8760 hr/yr (All Year)
EQT132	TK-53, Tank	5.16 million gallons				8760 hr/yr (All Year)
EQT133	TK-54, Tank	5.16 million gallons				8760 hr/yr (All Year)
EQT134	TK-55, Tank	4.76 million gallons				8760 hr/yr (All Year)
EQT135	TK-56, Tank	3.01 million gallons				8760 hr/yr (All Year)
EQT136	TK-58, Tank	3.8 million gallons				8760 hr/yr (All Year)
EQT137	TK-60, Tank	6.11 million gallons				8760 hr/yr (All Year)
EQT138	TK-61, Tank	3.05 million gallons				8760 hr/yr (All Year)
EQT139	TK-68, Tank	4.76 million gallons				8760 hr/yr (All Year)
EQT140	TK-69, Tank	6.42 million gallons				8760 hr/yr (All Year)
EQT141	TK-71, Tank	1.43 million gallons				8760 hr/yr (All Year)
EQT142	TK-72, Tank	429491 gallons				8760 hr/yr (All Year)
EQT143	TK-76, Tank	380213 gallons				8760 hr/yr (All Year)
EQT144	TK-200, Tank	2.12 million gallons				8760 hr/yr (All Year)
EQT145	TK-202, Tank	253808 gallons				8760 hr/yr (All Year)
EQT146	TK-220, Tank	2.12 million gallons				8760 hr/yr (All Year)
EQT147	TK-226, Tank	1.04 million gallons				8760 hr/yr (All Year)
EQT148	TK-300, Tank	7.56 million gallons				8760 hr/yr (All Year)
EQT149	TK-301, Tank	5.69 million gallons				8760 hr/yr (All Year)
EQT150	TK-302, Tank	5.69 million gallons				8760 hr/yr (All Year)
EQT151	TK-303, Tank	5.69 million gallons				8760 hr/yr (All Year)
EQT152	TK-304, Tank	6.55 million gallons				8760 hr/yr (All Year)

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
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**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT153	TK-305, Tank	6.55 million gallons				8760 hr/yr (All Year)
EQT154	TK-306, Tank	6.55 million gallons				8760 hr/yr (All Year)
EQT155	TK-307, Tank	7.56 million gallons				8760 hr/yr (All Year)
EQT156	TK-308, Tank	9.42 million gallons				8760 hr/yr (All Year)
EQT157	TK-309, Tank	9.32 million gallons				8760 hr/yr (All Year)
EQT158	TK-310, Tank	9.17 million gallons				8760 hr/yr (All Year)
EQT159	TK-400, Tank	8.42 million gallons				8760 hr/yr (All Year)
EQT160	TK-401, Tank	8.42 million gallons				8760 hr/yr (All Year)
EQT161	TK-402, Tank	8.42 million gallons				8760 hr/yr (All Year)
EQT162	TK-403, Tank	8.42 million gallons				8760 hr/yr (All Year)
EQT163	TK-404, Tank	6.08 million gallons				8760 hr/yr (All Year)
EQT164	TK-405, Tank	6.08 million gallons				8760 hr/yr (All Year)
EQT165	TK-406, Tank	6.08 million gallons				8760 hr/yr (All Year)
EQT166	TK-407, Tank	7.28 million gallons				8760 hr/yr (All Year)
EQT167	TK-408, Tank	7.28 million gallons				8760 hr/yr (All Year)
EQT168	TK-409, Tank	7.28 million gallons				8760 hr/yr (All Year)
EQT169	TK-1405, Tank	2.02 million gallons				8760 hr/yr (All Year)
EQT170	TK-1406, Tank	2.02 million gallons				8760 hr/yr (All Year)
EQT171	TK-6301, Tank	701969 gallons				8760 hr/yr (All Year)
EQT172	TK-6302, Tank	701969 gallons				8760 hr/yr (All Year)
EQT173	TK-6303, Tank	788227 gallons				8760 hr/yr (All Year)
EQT174	TK-6304, Tank	10686 gallons				8760 hr/yr (All Year)
EQT175	TK-6305, Tank	788227 gallons				8760 hr/yr (All Year)
EQT176	TK-6309, Tank	673813 gallons				8760 hr/yr (All Year)
EQT177	TK-6310, Tank	653376 gallons				8760 hr/yr (All Year)
EQT178	TK-6313, Tank	527474 gallons				8760 hr/yr (All Year)
EQT179	TK-6314, Tank	106047 gallons				8760 hr/yr (All Year)
EQT180	TK-6343, Tank	3.3 million gallons				8760 hr/yr (All Year)
EQT181	TK-6344, Tank	3.3 million gallons				8760 hr/yr (All Year)
EQT182	SD-OM, Sphere Drain Emissions			3.75 seconds/event, total 365 events per sphere (7)	23 hr/yr (All Year)	
EQT256	MPV, Miscellaneous Process Vents					8760 hr/yr (All Year)
EQT259	TK-8900, Fixed Roof Tank	2.63 million gallons				8760 hr/yr (All Year)
EQT260	TK-8901, Fixed Roof Tank	2.63 million gallons				8760 hr/yr (All Year)
FUGG007	FE-OM, Fugitives Oil Movements					8760 hr/yr (All Year)

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP028	Oil Movements and Loading	EQT79 1-96, Truck Loading
GRP028	Oil Movements and Loading	EQT80 68, No. 3 Flare
GRP028	Oil Movements and Loading	EQT81 C-8901, Tank
GRP028	Oil Movements and Loading	EQT82 LD, Barge/Ship Loading
GRP028	Oil Movements and Loading	EQT83 RCL, Railcar Loading
GRP028	Oil Movements and Loading	EQT84 SCL, Spent Caustic Loading
GRP028	Oil Movements and Loading	EQT85 C-8902, Tank
GRP028	Oil Movements and Loading	EQT86 TK-32, Tank
GRP028	Oil Movements and Loading	EQT87 TK-33, Tank
GRP028	Oil Movements and Loading	EQT88 TK-38, Tank
GRP028	Oil Movements and Loading	EQT89 TK-50, Tank
GRP028	Oil Movements and Loading	EQT90 TK-59, Tank
GRP028	Oil Movements and Loading	EQT91 TK-64, Tank
GRP028	Oil Movements and Loading	EQT92 TK-65, Tank
GRP028	Oil Movements and Loading	EQT93 TK-66, Tank
GRP028	Oil Movements and Loading	EQT94 TK-67, Tank
GRP028	Oil Movements and Loading	EQT95 TK-75, Tank
GRP028	Oil Movements and Loading	EQT96 TK-102, Tank
GRP028	Oil Movements and Loading	EQT97 TK-104, Tank
GRP028	Oil Movements and Loading	EQT98 TK-201, Tank
GRP028	Oil Movements and Loading	EQT99 TK-203, Tank
GRP028	Oil Movements and Loading	EQT100 TK-204, Tank
GRP028	Oil Movements and Loading	EQT101 TK-205, Tank
GRP028	Oil Movements and Loading	EQT102 TK-206, Tank
GRP028	Oil Movements and Loading	EQT103 D-913, Tank
GRP028	Oil Movements and Loading	EQT104 TK-1004, Tank
GRP028	Oil Movements and Loading	EQT105 TK-1005, Tank
GRP028	Oil Movements and Loading	EQT106 TK-1006, Tank
GRP028	Oil Movements and Loading	EQT107 TK-1014, Tank
GRP028	Oil Movements and Loading	EQT108 TK-1024, Tank
GRP028	Oil Movements and Loading	EQT109 TK-5509, Tank
GRP028	Oil Movements and Loading	EQT110 TK-6306, Tank
GRP028	Oil Movements and Loading	EQT111 TK-6308, Tank
GRP028	Oil Movements and Loading	EQT112 TK-6315, Tank
GRP028	Oil Movements and Loading	EQT113 TK-6336, Tank
GRP028	Oil Movements and Loading	EQT114 TK-6337, Tank
GRP028	Oil Movements and Loading	EQT115 TK-6338, Tank

**INVENTORIES**

AJ ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP028	Oil Movements and Loading	EQT116 TK-6342, Tank
GRP028	Oil Movements and Loading	EQT117 TK-6345, Tank
GRP028	Oil Movements and Loading	EQT118 TK-6352, Tank
GRP028	Oil Movements and Loading	EQT119 TK-6350, Tank
GRP028	Oil Movements and Loading	EQT120 TK-184874, Tank
GRP028	Oil Movements and Loading	EQT121 TK-184878, Tank
GRP028	Oil Movements and Loading	EQT122 TK-1, Tank
GRP028	Oil Movements and Loading	EQT123 TK-2, Tank
GRP028	Oil Movements and Loading	EQT124 TK-3, Tank
GRP028	Oil Movements and Loading	EQT125 TK-4, Tank
GRP028	Oil Movements and Loading	EQT126 TK-5, Tank
GRP028	Oil Movements and Loading	EQT127 TK-6, Tank
GRP028	Oil Movements and Loading	EQT128 TK-10, Tank
GRP028	Oil Movements and Loading	EQT129 TK-31, Tank
GRP028	Oil Movements and Loading	EQT130 TK-36, Tank
GRP028	Oil Movements and Loading	EQT131 TK-52, Tank
GRP028	Oil Movements and Loading	EQT132 TK-53, Tank
GRP028	Oil Movements and Loading	EQT133 TK-54, Tank
GRP028	Oil Movements and Loading	EQT134 TK-55, Tank
GRP028	Oil Movements and Loading	EQT135 TK-56, Tank
GRP028	Oil Movements and Loading	EQT136 TK-58, Tank
GRP028	Oil Movements and Loading	EQT137 TK-60, Tank
GRP028	Oil Movements and Loading	EQT138 TK-61, Tank
GRP028	Oil Movements and Loading	EQT139 TK-68, Tank
GRP028	Oil Movements and Loading	EQT140 TK-69, Tank
GRP028	Oil Movements and Loading	EQT141 TK-71, Tank
GRP028	Oil Movements and Loading	EQT142 TK-72, Tank
GRP028	Oil Movements and Loading	EQT143 TK-76, Tank
GRP028	Oil Movements and Loading	EQT144 TK-200, Tank
GRP028	Oil Movements and Loading	EQT145 TK-202, Tank
GRP028	Oil Movements and Loading	EQT146 TK-220, Tank
GRP028	Oil Movements and Loading	EQT147 TK-226, Tank
GRP028	Oil Movements and Loading	EQT148 TK-300, Tank
GRP028	Oil Movements and Loading	EQT149 TK-301, Tank
GRP028	Oil Movements and Loading	EQT150 TK-302, Tank
GRP028	Oil Movements and Loading	EQT151 TK-303, Tank
GRP028	Oil Movements and Loading	EQT152 TK-304, Tank

**INVENTORIES**  
 AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP028	Oil Movements and Loading	EQT153 TK-305, Tank
GRP028	Oil Movements and Loading	EQT154 TK-306, Tank
GRP028	Oil Movements and Loading	EQT155 TK-307, Tank
GRP028	Oil Movements and Loading	EQT156 TK-308, Tank
GRP028	Oil Movements and Loading	EQT157 TK-309, Tank
GRP028	Oil Movements and Loading	EQT158 TK-310, Tank
GRP028	Oil Movements and Loading	EQT159 TK-400, Tank
GRP028	Oil Movements and Loading	EQT160 TK-401, Tank
GRP028	Oil Movements and Loading	EQT161 TK-402, Tank
GRP028	Oil Movements and Loading	EQT162 TK-403, Tank
GRP028	Oil Movements and Loading	EQT163 TK-404, Tank
GRP028	Oil Movements and Loading	EQT164 TK-405, Tank
GRP028	Oil Movements and Loading	EQT165 TK-406, Tank
GRP028	Oil Movements and Loading	EQT166 TK-407, Tank
GRP028	Oil Movements and Loading	EQT167 TK-408, Tank
GRP028	Oil Movements and Loading	EQT168 TK-409, Tank
GRP028	Oil Movements and Loading	EQT169 TK-1405, Tank
GRP028	Oil Movements and Loading	EQT170 TK-1406, Tank
GRP028	Oil Movements and Loading	EQT171 TK-6301, Tank
GRP028	Oil Movements and Loading	EQT172 TK-6302, Tank
GRP028	Oil Movements and Loading	EQT173 TK-6303, Tank
GRP028	Oil Movements and Loading	EQT174 TK-6304, Tank
GRP028	Oil Movements and Loading	EQT175 TK-6305, Tank
GRP028	Oil Movements and Loading	EQT176 TK-6309, Tank
GRP028	Oil Movements and Loading	EQT177 TK-6310, Tank
GRP028	Oil Movements and Loading	EQT178 TK-6313, Tank
GRP028	Oil Movements and Loading	EQT179 TK-6314, Tank
GRP028	Oil Movements and Loading	EQT180 TK-6343, Tank
GRP028	Oil Movements and Loading	EQT181 TK-6344, Tank
GRP028	Oil Movements and Loading	EQT259 TK-8900, Fixed Roof Tank
GRP028	Oil Movements and Loading	EQT260 TK-8901, Fixed Roof Tank
GRP028	Oil Movements and Loading	FUG7 FE-QM, Fugitives Oil Movements
GRP029	Group A	EQT81 C-8901, Tank
GRP029	Group A	EQT85 C-8902, Tank
GRP029	Group A	EQT86 TK-32, Tank
GRP029	Group A	EQT87 TK-33, Tank
GRP029	Group A	EQT88 TK-38, Tank

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP029	Group A	EQT89 TK-50, Tank
GRP029	Group A	EQT90 TK-59, Tank
GRP029	Group A	EQT91 TK-64, Tank
GRP029	Group A	EQT92 TK-65, Tank
GRP029	Group A	EQT93 TK-66, Tank
GRP029	Group A	EQT94 TK-67, Tank
GRP029	Group A	EQT95 TK-75, Tank
GRP029	Group A	EQT96 TK-102, Tank
GRP029	Group A	EQT97 TK-104, Tank
GRP029	Group A	EQT98 TK-201, Tank
GRP029	Group A	EQT99 TK-203, Tank
GRP029	Group A	EQT100 TK-204, Tank
GRP029	Group A	EQT101 TK-205, Tank
GRP029	Group A	EQT102 TK-206, Tank
GRP029	Group A	EQT103 D-913, Tank
GRP029	Group A	EQT104 TK-1004, Tank
GRP029	Group A	EQT105 TK-1005, Tank
GRP029	Group A	EQT106 TK-1006, Tank
GRP029	Group A	EQT107 TK-1014, Tank
GRP029	Group A	EQT108 TK-1024, Tank
GRP029	Group A	EQT109 TK-5509, Tank
GRP029	Group A	EQT110 TK-6306, Tank
GRP029	Group A	EQT111 TK-6308, Tank
GRP029	Group A	EQT112 TK-6315, Tank
GRP029	Group A	EQT113 TK-6336, Tank
GRP029	Group A	EQT114 TK-6337, Tank
GRP029	Group A	EQT115 TK-6338, Tank
GRP029	Group A	EQT116 TK-6342, Tank
GRP029	Group A	EQT117 TK-6345, Tank
GRP029	Group A	EQT118 TK-6352, Tank
GRP029	Group A	EQT119 TK-6360, Tank
GRP029	Group A	EQT120 TK-184874, Tank
GRP029	Group A	EQT121 TK-184878, Tank
GRP030	Group B	EQT122 TK-1, Tank
GRP030	Group B	EQT123 TK-2, Tank
GRP030	Group B	EQT124 TK-3, Tank
GRP030	Group B	EQT125 TK-4, Tank

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP030	Group B	EQT126 TK-5, Tank
GRP030	Group B	EQT127 TK-6, Tank
GRP030	Group B	EQT128 TK-10, Tank
GRP030	Group B	EQT129 TK-31, Tank
GRP030	Group B	EQT130 TK-36, Tank
GRP030	Group B	EQT131 TK-52, Tank
GRP030	Group B	EQT132 TK-53, Tank
GRP030	Group B	EQT133 TK-54, Tank
GRP030	Group B	EQT134 TK-55, Tank
GRP030	Group B	EQT135 TK-56, Tank
GRP030	Group B	EQT136 TK-58, Tank
GRP030	Group B	EQT137 TK-60, Tank
GRP030	Group B	EQT138 TK-61, Tank
GRP030	Group B	EQT139 TK-68, Tank
GRP030	Group B	EQT140 TK-69, Tank
GRP030	Group B	EQT141 TK-71, Tank
GRP030	Group B	EQT142 TK-72, Tank
GRP030	Group B	EQT143 TK-76, Tank
GRP030	Group B	EQT144 TK-200, Tank
GRP030	Group B	EQT145 TK-202, Tank
GRP030	Group B	EQT146 TK-220, Tank
GRP030	Group B	EQT147 TK-226, Tank
GRP030	Group B	EQT148 TK-300, Tank
GRP030	Group B	EQT149 TK-301, Tank
GRP030	Group B	EQT150 TK-302, Tank
GRP030	Group B	EQT151 TK-303, Tank
GRP030	Group B	EQT152 TK-304, Tank
GRP030	Group B	EQT153 TK-305, Tank
GRP030	Group B	EQT154 TK-306, Tank
GRP030	Group B	EQT155 TK-307, Tank
GRP030	Group B	EQT156 TK-308, Tank
GRP030	Group B	EQT157 TK-309, Tank
GRP030	Group B	EQT158 TK-310, Tank
GRP030	Group B	EQT159 TK-400, Tank
GRP030	Group B	EQT160 TK-401, Tank
GRP030	Group B	EQT161 TK-402, Tank
GRP030	Group B	EQT162 TK-403, Tank

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP030	Group B	EQT163 TK-404, Tank
GRP030	Group B	EQT164 TK-405, Tank
GRP030	Group B	EQT165 TK-406, Tank
GRP030	Group B	EQT166 TK-407, Tank
GRP030	Group B	EQT167 TK-408, Tank
GRP030	Group B	EQT168 TK-409, Tank
GRP030	Group B	EQT169 TK-1405, Tank
GRP030	Group B	EQT170 TK-1406, Tank
GRP030	Group B	EQT171 TK-6301, Tank
GRP030	Group B	EQT172 TK-6302, Tank
GRP030	Group B	EQT173 TK-6303, Tank
GRP030	Group B	EQT174 TK-6304, Tank
GRP030	Group B	EQT175 TK-6305, Tank
GRP030	Group B	EQT176 TK-6309, Tank
GRP030	Group B	EQT177 TK-6310, Tank
GRP030	Group B	EQT178 TK-6313, Tank
GRP030	Group B	EQT179 TK-6314, Tank
GRP030	Group B	EQT180 TK-6343, Tank
GRP030	Group B	EQT181 TK-6344, Tank
GRP036	Loading Cap	EQT79 1-96, Truck Loading
GRP036	Loading Cap	EQT82 LD, Barge/Ship Loading
GRP036	Loading Cap	EQT83 RCL, Railcar Loading
GRP036	Loading Cap	EQT84 SCL, Spent Caustic Loading
GRP039	Tank Maintenance	EQT81 C-8901, Tank
GRP039	Tank Maintenance	EQT85 C-8902, Tank
GRP039	Tank Maintenance	EQT86 TK-32, Tank
GRP039	Tank Maintenance	EQT87 TK-33, Tank
GRP039	Tank Maintenance	EQT88 TK-38, Tank
GRP039	Tank Maintenance	EQT89 TK-50, Tank
GRP039	Tank Maintenance	EQT90 TK-59, Tank
GRP039	Tank Maintenance	EQT91 TK-64, Tank
GRP039	Tank Maintenance	EQT92 TK-65, Tank
GRP039	Tank Maintenance	EQT93 TK-66, Tank
GRP039	Tank Maintenance	EQT94 TK-67, Tank
GRP039	Tank Maintenance	EQT95 TK-75, Tank
GRP039	Tank Maintenance	EQT96 TK-102, Tank
GRP039	Tank Maintenance	EQT97 TK-104, Tank

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP039	Tank Maintenance	EQT98 TK-201, Tank
GRP039	Tank Maintenance	EQT99 TK-203, Tank
GRP039	Tank Maintenance	EQT100 TK-204, Tank
GRP039	Tank Maintenance	EQT101 TK-205, Tank
GRP039	Tank Maintenance	EQT102 TK-206, Tank
GRP039	Tank Maintenance	EQT103 D-913, Tank
GRP039	Tank Maintenance	EQT104 TK-1004, Tank
GRP039	Tank Maintenance	EQT105 TK-1005, Tank
GRP039	Tank Maintenance	EQT106 TK-1006, Tank
GRP039	Tank Maintenance	EQT107 TK-1014, Tank
GRP039	Tank Maintenance	EQT108 TK-1024, Tank
GRP039	Tank Maintenance	EQT109 TK-5509, Tank
GRP039	Tank Maintenance	EQT110 TK-6306, Tank
GRP039	Tank Maintenance	EQT111 TK-6308, Tank
GRP039	Tank Maintenance	EQT112 TK-6315, Tank
GRP039	Tank Maintenance	EQT113 TK-6336, Tank
GRP039	Tank Maintenance	EQT114 TK-6337, Tank
GRP039	Tank Maintenance	EQT115 TK-6338, Tank
GRP039	Tank Maintenance	EQT116 TK-6342, Tank
GRP039	Tank Maintenance	EQT117 TK-6345, Tank
GRP039	Tank Maintenance	EQT118 TK-6352, Tank
GRP039	Tank Maintenance	EQT119 TK-6360, Tank
GRP039	Tank Maintenance	EQT120 TK-184874, Tank
GRP039	Tank Maintenance	EQT121 TK-184878, Tank
GRP039	Tank Maintenance	EQT122 TK-1, Tank
GRP039	Tank Maintenance	EQT123 TK-2, Tank
GRP039	Tank Maintenance	EQT124 TK-3, Tank
GRP039	Tank Maintenance	EQT125 TK-4, Tank
GRP039	Tank Maintenance	EQT126 TK-5, Tank
GRP039	Tank Maintenance	EQT127 TK-6, Tank
GRP039	Tank Maintenance	EQT128 TK-10, Tank
GRP039	Tank Maintenance	EQT129 TK-31, Tank
GRP039	Tank Maintenance	EQT130 TK-36, Tank
GRP039	Tank Maintenance	EQT131 TK-52, Tank
GRP039	Tank Maintenance	EQT132 TK-53, Tank
GRP039	Tank Maintenance	EQT133 TK-54, Tank
GRP039	Tank Maintenance	EQT134 TK-55, Tank

INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

## Subject Item Groups:

ID	Description	Included Components (from Above)
GRP039	Tank Maintenance	EQT135 TK-56, Tank
GRP039	Tank Maintenance	EQT136 TK-58, Tank
GRP039	Tank Maintenance	EQT137 TK-60, Tank
GRP039	Tank Maintenance	EQT138 TK-61, Tank
GRP039	Tank Maintenance	EQT139 TK-68, Tank
GRP039	Tank Maintenance	EQT140 TK-69, Tank
GRP039	Tank Maintenance	EQT141 TK-71, Tank
GRP039	Tank Maintenance	EQT142 TK-72, Tank
GRP039	Tank Maintenance	EQT143 TK-76, Tank
GRP039	Tank Maintenance	EQT144 TK-200, Tank
GRP039	Tank Maintenance	EQT145 TK-202, Tank
GRP039	Tank Maintenance	EQT146 TK-220, Tank
GRP039	Tank Maintenance	EQT147 TK-226, Tank
GRP039	Tank Maintenance	EQT148 TK-300, Tank
GRP039	Tank Maintenance	EQT149 TK-301, Tank
GRP039	Tank Maintenance	EQT150 TK-302, Tank
GRP039	Tank Maintenance	EQT151 TK-303, Tank
GRP039	Tank Maintenance	EQT152 TK-304, Tank
GRP039	Tank Maintenance	EQT153 TK-305, Tank
GRP039	Tank Maintenance	EQT154 TK-306, Tank
GRP039	Tank Maintenance	EQT155 TK-307, Tank
GRP039	Tank Maintenance	EQT156 TK-308, Tank
GRP039	Tank Maintenance	EQT157 TK-309, Tank
GRP039	Tank Maintenance	EQT158 TK-310, Tank
GRP039	Tank Maintenance	EQT159 TK-400, Tank
GRP039	Tank Maintenance	EQT160 TK-401, Tank
GRP039	Tank Maintenance	EQT161 TK-402, Tank
GRP039	Tank Maintenance	EQT162 TK-403, Tank
GRP039	Tank Maintenance	EQT163 TK-404, Tank
GRP039	Tank Maintenance	EQT164 TK-405, Tank
GRP039	Tank Maintenance	EQT165 TK-406, Tank
GRP039	Tank Maintenance	EQT166 TK-407, Tank
GRP039	Tank Maintenance	EQT167 TK-408, Tank
GRP039	Tank Maintenance	EQT168 TK-409, Tank
GRP039	Tank Maintenance	EQT169 TK-1405, Tank
GRP039	Tank Maintenance	EQT170 TK-1406, Tank
GRP039	Tank Maintenance	EQT171 TK-6301, Tank

**INVENTORIES**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP039	Tank Maintenance	EQT172 TK-6302, Tank
GRP039	Tank Maintenance	EQT173 TK-6303, Tank
GRP039	Tank Maintenance	EQT174 TK-6304, Tank
GRP039	Tank Maintenance	EQT175 TK-6305, Tank
GRP039	Tank Maintenance	EQT176 TK-6309, Tank
GRP039	Tank Maintenance	EQT177 TK-6310, Tank
GRP039	Tank Maintenance	EQT178 TK-6313, Tank
GRP039	Tank Maintenance	EQT179 TK-6314, Tank
GRP039	Tank Maintenance	EQT180 TK-6343, Tank
GRP039	Tank Maintenance	EQT181 TK-6344, Tank

**Relationships:****Stack Information:**

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperat (oF)
<b>Fee Information:</b>						
SubItem Id	Multiplier	Units Of Measure	Fee Desc			
GRP028	1	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)			

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### All phases

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 079 1-96	0.58	2.89	2.53	0.005	0.03	0.02	1.94	9.71	8.50	10.56	52.81	46.26	7.58	43.0	39
EQT 080 68															33.21
EQT 082 LD															286.53
EQT 083 RCL															403.53
EQT 084 SCL															13.85
EQT 182 SD-OM															5.59
FUG 007 FE-OM															134.10
GRP 029 Grp A															24.47
GRP 030 Grp B															611.68
GRP 036 LC															119.21
															124.23
															22.01
															96.41

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

#### Permit Phase Totals:

PM10: 2.53 tons/yr  
SO2: 0.02 tons/yr  
NOx: 8.50 tons/yr  
CO: 46.26 tons/yr  
VOC: 1429.12 tons/yr

#### Emission rates Notes:

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### All phases

1,2-Dibromoethane						1,3-Butadiene						2,2,4-Trimethylpentane						Acetonitrile						Ammonia					
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year					
EQT 079 1.96						0.02						0.09																	
EQT 080 68				0.004	0.96	0.02	0.02		5.41	0.10																			
EQT 082 LD												1.92																	
EQT 083 RCL																													
EQT 084 SCL							0.003																						
EQT 182 SD-DM																													
FUG 007 FE-DM	< 0.001	0.002	0.01			0.03	1.08			4.71	< 0.001				< 0.001	0.25	1.08												
GRP 029 Grp A		< 0.001				< 0.001	0.09			0.37								1.38					6.02						
GRP 030 Grp B						0.01		0.04	0.17	0.75	< 0.001				< 0.001	0.33							1.45						
GRP 036 LC						0.003		0.01	0.17	0.75																			

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004.V0

Air - Title V Regular Permit Initial

### All phases

		Benzene			Biphenyl			Carbon disulfide			Chlorobenzene			Copper (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Tons/Year
EQT 079 1-96	0.25	60.03	1.10	<	0.001	<	0.001									
EQT 080 68																
EQT 082 LD		1.53			0.01											
EQT 083 RCL		0.55														
EQT 084 SCL		0.03			<	0.001				0.001						
EQT 182 SD-OM	<	0.001	0.02	0.003												
FUG 007 FE-OM		3.30		14.45	0.03		0.11	<	0.001	<	0.001	<	0.001	<	0.001	< 0.001
GRP 029 Grp A	0.34			1.49	0.001		0.003	<	0.001	0.001	<	0.001	<	0.001		
GRP 030 Grp B	1.17			5.14	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001		
GRP 036 LC	0.12			0.51	0.001		0.003	<	0.001	<	0.001					

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### All phases

		Cresol			Cumene			Dichloromethane			Ethyl benzene			Hydrogen sulfide		
Subject Item		Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 079 1-96		< 0.001	< 0.001		0.39						34.70			< 0.001	< 0.001	
EQT 080 68		< 0.001	0.01	< 0.001	0.001	0.06	0.001				0.003	0.74	0.01	< 0.001	0.01	< 0.001
EQT 082 LD		0.01			0.21						13.08				0.22	
EQT 083 RCL					0.39						34.69					
EQT 084 SCL		0.001			< 0.001						0.01				0.08	
EQT 182 SD-DM											0.07	1.71	0.31			
FUG 007 FE-DM		0.13	0.57	0.10	0.46	< 0.001		< 0.001	1.50		6.58	0.09		0.39		
GRP 029 Grp A		0.001	0.01	0.03	0.12	< 0.001		< 0.001	0.87		3.82	0.05		0.23		
GRP 030 Grp B		< 0.001		0.002	0.005	0.02	0.001	0.01	0.08		0.35	0.01		0.06		
GRP 036 LC		0.002		0.01	0.01	0.06			0.53		2.30	0.05		0.20		

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### All phases

		Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Methyl isobutyl ketone			Naphthalene (and Methyl naphthalenes)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 079 196		0.02			0.18								<	0.001		
EQT 080 68	0.004	0.97	0.02	0.05	10.74	0.20						<	0.001	0.01	<	0.001
EQT 082 LD					1.01											0.52
EQT 083 RCL																
EQT 084 SCL		0.001														
EQT 182 SD-OM										0.07						
FUG 007 FE-OM	0.24	1.04	1.58		6.90	0.03				0.11	<	0.001	0.001	0.60		2.62
GRP 029 Grp A	0.03		0.14	0.14	0.63	0.02				0.06			0.01			0.07
GRP 030 Grp B	0.02		0.10	0.40	1.75	0.002				0.01			0.001			0.004
GRP 036 LC	0.003		0.01	0.25	1.07	< 0.001				0.001			0.04			0.15

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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### All phases

Nickel (and compounds)		Phenol		Phosphorus		Polynuclear Aromatic Hydrocarbons		Quinoline	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 079 1:96				< 0.001		< 0.001		< 0.001	
EQT 080 68	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 082 LD				0.04				0.01	
EQT 083 RCL									< 0.001
EQT 084 SCL				0.001					
EQT 182 SD-OM									
FUG 007 FE-OM	< 0.001	0.002	0.05	0.22	< 0.001	< 0.001		0.001	0.003
GRP 029 Grp A			0.01	0.02	< 0.001	< 0.001	0.002	0.01	< 0.001
GRP 030 Grp B			0.001	0.002	< 0.001	< 0.001	0.001	< 0.001	< 0.001
GRP 036 LC			0.01	0.003	< 0.001	< 0.001	0.001	0.004	< 0.001

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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### All phases

Styrene			Sulfuric acid			Tetrachloroethylene			Toluene			Trichloroethylene			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 079 1:96	< 0.001	0.001											78.80		
EQT 080 68	< 0.001	0.03	0.001							0.05	11.16	0.21			
EQT 082 1:D		0.14										96.49			
EQT 083 RCL												78.66			
EQT 084 SCL										0.06					
EQT 182 SD-OM															
FUG 007 FE-OM	0.17	0.73	0.004	0.02	< 0.001		< 0.001	8.22		36.02	< 0.001	< 0.001			
GRP 029 Grp A	0.06	0.27	< 0.001	< 0.001	< 0.001		< 0.001	1.74		7.64					
GRP 030 Grp B	0.01	0.03	< 0.001	< 0.001	< 0.001		< 0.001	0.79		3.46					
GRP 036 LC	0.02	0.08							2.36		10.34				

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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### All phases

#### Xylene (mixed isomers)

#### Zinc (and compounds)

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 079 1:96		289.28							0.17
EQT 080 68	0.02	3.67	0.07				0.07	17.48	0.32
EQT 082 LD		124.36						2.07	
EQT 083 RCL		289.24							
EQT 084 SCL		0.07					0.01		
EQT 182 SD-DM									
FUG 007 FE-DM	11.14	48.77	< 0.001	< 0.001			2.91		12.75
GRP 029 Grp A	4.38	19.18					0.99		4.34
GRP 030 Grp B	0.51	2.21					2.22		9.70
GRP 036 LC	10.60	46.41					0.22		0.96

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

#### Permit Parameter Totals:

1,2-Dibromoethane: 0.002 tons/yr  
 1,3-Butadiene: 0.10 tons/yr  
 2,2,4-Trimethylpentane: 6.68 tons/yr  
 Acetonitrile: 0.001 tons/yr  
 Ammonia: 8.55 tons/yr  
 Benzene: 22.69 tons/yr  
 Biphenyl: 0.12 tons/yr  
 Carbon disulfide: 0.001 tons/yr  
 Chlorobenzene: 0.001 tons/yr  
 Copper (and compounds): <0.001 tons/yr  
 Cresol: 0.59 tons/yr

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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### **All phases**

Cumene: 0.66 tons/yr  
Dichloromethane: 0.01 tons/yr  
Ethyl benzene: 13.37 tons/yr  
Hydrogen sulfide: 0.88 tons/yr  
Methanol: 1.31 tons/yr  
Methyl ethyl ketone: 0.18 tons/yr  
Methyl isobutyl ketone: 0.001 tons/yr  
Methyl Tertiary Butyl Ether: 10.55 tons/yr  
n-Hexane: 28.07 tons/yr  
Naphthalene (and Methyl naphthalenes): 2.84 tons/yr  
Nickel (and compounds): 0.002 tons/yr  
Phenol: 0.25 tons/yr  
Phosphorus: 0.001 tons/yr  
Polynuclear Aromatic Hydrocarbons: 0.02 tons/yr  
Quinoline: 0.003 tons/yr  
Styrene: 1.11 tons/yr  
Sulfuric acid: 0.02 tons/yr  
Tetrachloroethylene: 0.001 tons/yr  
Toluene: 57.67 tons/yr  
Xylene (mixed isomers): 116.64 tons/yr  
Zinc (and compounds): <0.001 tons/yr

### **Emission Rates Notes:**

## SPECIFIC REQUIREMENTS

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### EQT079 : 1-96, Truck Loading

- 1 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33:III.2107.B]  
Which Months: All Year Statistical Basis: None specified
- 2 VOC, Total >= 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]
- 3 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]
- 4 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]  
Which Months: All Year Statistical Basis: None specified
- 5 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]
- 6 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]
- 7 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate. [LAC 33:III.2107.E]
- 8 Do not load gasoline into any tank trucks or trailers from any bulk gasoline terminal unless the conditions in LAC 33:III.2135.B.1.a through B.1.d are met. [LAC 33:III.2135.B.1]
- 9 VOC, Total <= 80 mg/l (4.7 grains/gallon or 0.67 lb/1000 gallons) of gasoline loaded. [LAC 33:III.2135.B.2]  
Which Months: All Year Statistical Basis: None specified
- 10 Do not allow gasoline to be discarded in sewers or stored in open containers or handled in any manner that would result in evaporation. [LAC 33:III.2135.B.3]
- 11 Do not allow the pressure in the vapor collection system to exceed the tank truck or trailer pressure relief settings. [LAC 33:III.2135.B.4]
- 12 Service only those delivery trucks/transport vessels complying with LAC 33:III.2137. [LAC 33:III.2135.B.5]
- 13 Presence of a leak monitored by visual, audible, and/or olfactory during loading. Inspect for visible liquid leaks, visible fumes, or odors resulting from gasoline dispensing operations. [LAC 33:III.2135.D.7]  
Which Months: All Year Statistical Basis: None specified
- 14 Discontinue loading or unloading through affected transfer lines immediately when a leak is observed. Do not resume loading or unloading until the observed leak is repaired.
- 15 Determine compliance with LAC 33:III.2135 using the test methods and procedures specified in LAC 33:III.2135.D.1 through D.6. [LAC 33:III.2135.D]
- 16 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2135.E.1 through E.5, as applicable. [LAC 33:III.2135.E]
- 17 Tank Trucks: Ensure that gasoline tank trucks and their vapor collection systems do not sustain a pressure change of more than 3 inches of water (0.75 kPa) in five minutes when pressurized to 18 inches of water (4.5 kPa) or evacuated to 6 inches of water (1.5 kPa) using Test Method 27 (40 CFR Part 60, Appendix A) for determination of vapor tightness of gasoline delivery tanks using pressure-vacuum test. [LAC 33:III.2137.A.1]
- 18 Tank Trucks: Ensure that each tank truck has a sticker displayed on each tank indicating the identification number of the tank and the date each tank last passed the pressure and vacuum test described in LAC 33:III.2137.A.1. Certify each tank annually and display the sticker near the Department of Transportation certification plate. Make any repairs necessary to pass the specified requirements within 15 days of failure. [LAC 33:III.2137.A.2]
- 19 Vapor Collection Systems: Ensure that loading and unloading operations at gasoline terminals do not produce a reading equal to or greater than 100% of the lower explosive limit (LEL, measured as propane) at 2.5 centimeters around the perimeter of a potential leak source as detected by a combustible gas detector using Test Method 21 (40 CFR Part 60, Appendix A) for determination of volatile organic compound leaks. [LAC 33:III.2137.B.1]

## SPECIFIC REQUIREMENTS

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### 1-96, Truck Loading

- 20 Vapor Collection Systems: Ensure that the vapor collection and processing equipment is designed and operated to prevent tank truck gauge pressure from exceeding 18 inches of water (4.5 kPa) and prevent vacuum from exceeding 6 inches of water (1.5 kPa). [LAC 33:III.21.37.B.2]
- 21 Vapor Collection Systems: Equipment/operational data monitored by technically sound method annually. Make any repairs necessary to pass the specified requirements within 15 days of failure, if an inspection is failed. [LAC 33:III.21.37.B.3]
- Which Months: All Year Statistical Basis: None Specified
- 22 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records at the facility for at least two years indicating the last time the vapor collection facility passed the requirements specified in LAC 33:III.21.37.B.1. Also, during the annual test procedure, record items which required repair in order to pass the specified requirements. [LAC 33:III.21.37.D]
- 23 Compliance with all the applicable requirements of LAC 33:III.21.07. B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.51.09.A]
- 24 Transfer Rack Shall comply with all the applicable requirements of NESHAP, 40 CFR 63.1.30(f). Subpart G. [40 CFR 63.1.26(c)]
- 25 Comply with 40 CFR 63.421, 63.422 (a) through (c), 63.425 (a) through (e), 63.427 (a) and (b), and 63.428 (b), (c), (g)(1), and (h)(1) through (h)(3) of 40 CFR 63 Subpart R, except as specified in 40 CFR 63.650(b) and (o). Subpart CC. [40 CFR 63.650(a)]
- 26 Comply with the recordkeeping and reporting provisions in 40 CFR 63.428 (b) and (c), (g)(1), and (h)(1) through (h)(3) of 40 CFR 63 Subpart R. Subpart CC. [40 CFR 63.654(b)]

### 68, No. 3 Flare

- 27 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.11.05]
- Which Months: All Year Statistical Basis: None Specified
- 28 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.11.05]
- 29 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 30 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J is considered compliance with all the applicable requirements of LAC 33:III.503 and LAC 33:III.21.08. [LAC 33:III.1.503.C, LAC 33:III.21.08.C.2]
- 31 VOC, Total  $\geq$  90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system. [LAC 33:III.21.08.C.2, LAC 33:III.21.08.C.4]
- Which Months: All Year Statistical Basis: None Specified
- 32 No. 3 Flare is used to control emissions from marine loading operations loading benzene. [LAC 33:III.501.C.6]
- 33 Compliance with the applicable requirements of NSPS, 40 CFR 60.1.8(c) thru (f) is considered compliance with all the applicable requirements of LAC 33:III.Chapter51; NSPS, 40 CFR 60, Subpart J, NESHAP, 40 CFR 61, Subpart BB. [LAC 33:III.51.09.A, 40 CFR 60.1.04, 40 CFR 61.302(b)]
- 34 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.1.8(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.1.8(c)(1)]
- 35 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.1.8(f)(2). Subpart A. [40 CFR 60.1.8(c)(2)]

## SPECIFIC REQUIREMENTS

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### EQT080\_68, No. 3 Flare

36 Heat content  $\geq$  300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]

Which Months: All Year Statistical Basis: None specified

37 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares.

Subpart A. [40 CFR 60.18(d)]

38 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

39 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]

Which Months: All Year Statistical Basis: None specified

### C-8901, Tank

40 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.A]

41 VOC, Total  $\geq$  95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.1]

Which Months: All Year Statistical Basis: None specified

42 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]

43 Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

44 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

45 Submit report Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

46 Replace carbon canister(s) when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]

47 Compliance with all the applicable requirements of LAC 33:III.21.03. A and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III Chapter 51. [LAC 33:III.5109.A]

48 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

### EQT081\_LD, Barge/Ship Loading

49 Equip with a vapor collection system designed to collect the organic compounds vapors displaced from ships and/or barges during loading. [LAC 33:III.21.08.C.1]

50 VOC, Total  $\geq$  90 % reduction by weight by collecting and processing the vapors with a recovery and/or destruction system. [LAC 33:III.21.08.C.2]

Which Months: All Year Statistical Basis: None specified

51 Barge loading of gasoline: Total Organic Compounds (TOC)  $\leq$  70 mg/l of VOC loaded (0.6 lb/1000 gal). [LAC 33:III.21.08.C.3.a]

Which Months: All Year Statistical Basis: None specified

52 Barge loading of crude oil or other VOCs: Total Organic Compounds (TOC)  $\leq$  30 mg/l of VOC loaded (0.25 lb/1000 gal). [LAC 33:III.21.08.C.3.b]

Which Months: All Year Statistical Basis: None specified

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### LD, Barge/Ship Loading

#### EQT082

- 53 Ship loading of gasoline: Total Organic Compounds (TOC) <= 30 mg/l of VOC loaded (0.25 lb/1 000 gal). [LAC 33:III.2108.C.3.c]  
Which Months: All Year Statistical Basis: None specified
- 54 Ship loading of crude oil or other VOCs: Total Organic Compounds (TOC) <= 12 mg/l of VOC loaded (0.1 lb/l 000 gal). [LAC 33:III.2108.C.3.d]  
Which Months: All Year Statistical Basis: None specified
- 55 Load only into ships and/or barges equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. [LAC 33:III.2108.C.5]
- 56 Properly connect the vapor collection and disposal system to the ships and/or barges before any loading is done. [LAC 33:III.2108.C.6]
- 57 Comply with the requirements of LAC 33:III.2108 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2108 as a result of a revision of LAC 33:III.2108. [LAC 33:III.2108.D.4]
- 58 Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate. [LAC 33:III.2108.E]
- 59 Submit test results: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 45 days of any testing done in accordance with LAC 33:III.2108.E.
- 60 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable. [LAC 33:III.2108.F.2]
- 61 Loading gasoline, crude oil or other VOCs into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. [LAC 33:III.2108.G.1]
- 62 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. [LAC 33:III.2108.G.2]
- 63 Maintain all equipment associated with the loading of gasoline, crude oil or other VOC into ships or barges to be leak-free, gas-tight and in good working order. [LAC 33:III.2108.G.3]
- 64 Emissions from the Barge and Ship Loading are routed to an existing Flare No. 2 via a vapor collection system. [LAC 33:III.5109.A]
- 65 Benzene >= 98 % reduction by weight. Subpart BB. [40 CFR 61.302(b)]  
Which Months: All Year Statistical Basis: None specified
- 66 Complies by diverting emissions to a flare which complies with the requirements of 40 CFR 60.18(b) through (f). Subpart BB. [40 CFR 61.302(c)]
- 67 Presence of a leak monitored by technically sound method during loading of tank trucks, railcars, or marine vessels. Inspect the vapor collection system and control device for detectable emissions and repair any leaks detected in accordance with 40 CFR 61.242-1(e) and (f). Subpart BB. [40 CFR 61.302(k)]  
Which Months: All Year Statistical Basis: None specified
- 68 Vent systems: Have car-sealed opened all valves in the vent system from the emission source to the control device, and car-sealed closed all valves in the vent system that would lead the vent stream to the atmosphere, either directly or indirectly, bypassing the control device. Subpart BB. [40 CFR 61.302(l)]
- 69 Vent system: Install a flow indicator immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted either directly or indirectly to the atmosphere, and ensure that the flow indicator is capable of recording flow at least once every 15 minutes; and/or monitor the valves once a month, checking the position of the valves and the condition of the car seal, and identify all times when the car seals have been broken and the valve position has been changed (i.e., from opened to closed for valves in the vent piping to the control device and from closed to open for valves that allow the stream to be vented directly or indirectly to the atmosphere). Subpart BB. [40 CFR 61.303(g)]
- 70 Determine compliance with 40 CFR 61.302 using the test methods and procedures specified in 40 CFR 61.304(a) through (f), as appropriate. Subpart BB. [40 CFR 61.304]
- 71 Submit report: Due with the initial performance test. Submit an engineering report describing in detail the vent system used to vent each affected vent stream to a control device. Include all valves and vent pipes that could vent the stream to the atmosphere, thereby bypassing the control device, and identify which valves are car-sealed opened and which valves are car-sealed closed. Subpart BB. [40 CFR 61.305(a)(5)]

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### EQT082 LD, Barge/Ship Loading

- 72 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep an up-to-date, readily accessible record of the data specified in 40 CFR 61.305(a)(1) through (a)(4) measured during each performance test. Also include this data in the report of the initial performance test required under 40 CFR 61.13.
- Subpart BB. [40 CFR 61.305(a)]
- 73 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 61.303(a), (c), and (d) as well as up-to-date, readily accessible records of periods of operation during which the parameter boundaries established during the most recent performance test are exceeded. Subpart BB. [40 CFR 61.305(b)]
- 74 Vent system. Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible continuous records of all periods when flow is indicated if flow indicators are installed under 40 CFR 61.303(g)(1); and all times when maintenance is performed on car-sealed valves, when the car seal is broken, and when the valve position is changed, if valves are monitored under 40 CFR 61.303(g)(2). Subpart BB. [40 CFR 61.305(c)]

### RCL, Railcar Loading

- 75 Compliance with all the applicable requirements of NESHAP, 40 CFR 63.126(c) is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 76 Transfer Rack Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.130(f); design, actual annual throughput, weight percent organic HAPs in the liquid loaded, HAP partial pressure. Subpart G. [40 CFR 63.126(c)]

### SCL, Spent Caustic Loading

- 77 Caustic Loading. No MACT required. [LAC 33:III.51.09.A]

### C-8902, Tank

- 78 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.C.6]
- 79 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.1]

Which Months: All Year Statistical Basis: None specified

- 80 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.1.1 - 7, as applicable. [LAC 33:III.21.03.I]
- 81 Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 82 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 83 Submit report Due annually, by the 31 st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 84 Replace carbon canister(s) when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]
- 85 Compliance with all the applicable requirements of LAC 33:III.21.03. A and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]

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### C-8902, Tank

- 86 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

### TK-32, Tank

- 87 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 88 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-33, Tank

- 89 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 90 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-38, Tank

- 91 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 92 Shall comply with all the applicable requirements of NESHAP, 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]

### TK-50, Tank

- 93 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of Chapter 51. [LAC 33:III.51.09.A]
- 94 Overlap: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of NSPS, 40 CFR 60.112(a), 40 CFR 60.115a]
- 60 Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.112(a), 40 CFR 60.115a]
- 95 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-59, Tank

- 96 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]

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### TK-59, Tank

- 97 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-64, Tank

- 98 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III, S109, A]

- 99 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-65, Tank

- 100 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III, S109, A]

- 101 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-66, Tank

- 102 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III, S109, A]

- 103 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-67, Tank

- 104 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III, S109, A]

- 105 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-75, Tank

- 106 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III, S109, A]

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### TK-75, Tank

107 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-102, Tank

108 Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]

109 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-104, Tank

110 Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]

111 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-201, Tank

112 Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]

113 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### TK-203, Tank

114 Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart G and Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]

115 Shall comply with all the applicable requirements of NESHPAP, 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]

### TK-204, Tank

116 Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart G and Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]

117 Shall comply with all the applicable requirements of NESHPAP, 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]

118 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

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### EQT101    TK-205, Tank

- 119 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G and Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]  
120 Shall comply with all the applicable requirements of NESHAP, 40 CFR 63.1.23(a). Subpart G. [40 CFR 63.1.19(a)(3)]  
121 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

### EQT102    TK-206, Tank

- 122 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]  
123 Shall comply with all the applicable requirements of NESHAP, 40 CFR 63.1.23(a). Subpart G. [40 CFR 63.1.19(a)(3)]

### EQT103    D-913, Tank

- 124 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.A]  
125 VOC, Total > 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.1]  
Which Months: All Year   Statistical Basis: None specified  
126 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]  
127 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I.]  
128 Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]  
129 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]  
130 Submit report Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]  
131 Replace carbon canister(s) when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]  
132 Compliance with all the applicable requirements of LAC 33:III.21.03. A and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]  
133 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]  
134 Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]  
135 Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]  
136 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]  
Which Months: All Year   Statistical Basis: None specified

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### EQT103 D-913, Tank

- 137 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 138 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 139 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 140 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]
- 141 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

### EQT104 TK-1004, Tank

- 142 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III.51.09.A]
- 143 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

### EQT105 TK-1005, Tank

- 144 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III.51.09.A]
- 145 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

### EQT106 TK-1006, Tank

- 146 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III.51.09.A]
- 147 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

### EQT107 TK-1014, Tank

- 148 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [LAC 33:III.51.09.A]
- 149 Equipment/operational data recordkeeping by electronic or hard copy as needed. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.641]

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### EQT108 TK-1024, Tank

- 150 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]
- 151 VOC, Total  $\geq 95\%$  control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.]
- Which Months: All Year Statistical Basis: None specified
- 152 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 153 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 154 Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 155 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 156 Submit report Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 157 Replace carbon canister(s) when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]
- 158 Compliance with all the applicable requirements of LAC 33:III.2103. B and NESHAP, 40 CFR 63, Subpart G and Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 159 VOC, Total  $\geq 95\%$  reduction by weight for VOC vapors and gasses processed by the vapor recovery system and vapor return or disposal system. Subpart Ka. [40 CFR 60.112(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- 160 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115(a). Subpart Ka. [40 CFR 60.115a]
- 161 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 162 Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(B). Subpart FF. [40 CFR 61.343(a)(1)(i)(C)]
- 163 Wastewater Stream: Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]
- 164 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 165 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 166 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 167 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 168 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

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### EQT108 TK-1024, Tank

- 169 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]  
170 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61. Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.647(a)]

### EQT109 TK-5509, Tank

- 171 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]  
Which Months: All Year Statistical Basis: None specified
- 172 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 173 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.]
- 174 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C.6]
- 175 Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 176 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 177 Submit report Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 178 Replace carbon canister(s) when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]
- 179 Compliance with all the applicable requirements of LAC 33:III.2103. B and NESHAP, 40 CFR 63, Subpart G and Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.51.09.A]
- 180 Compliance with all the applicable requirements of LAC 33:III.2103. B and NESHAP, 40 CFR 63, Subpart G and Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.51.09.A]
- 181 Wastewater Stream Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.340]
- 182 Fixed roof. Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 183 Fixed roof. Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]
- 184 Fixed-roof. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 185 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 186 Determine compliance with 40 CFR 61. Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 187 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

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AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### EQT109 TK-5509, Tank

- 188 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]
- 189 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]
- 190 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.647(a)]

### EQT110 TK-6306, Tank

- 191 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.A]
- 192 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.]
  - Which Months: All Year Statistical Basis: None specified
- 193 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]
- 194 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I.]
- 195 Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 196 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 197 Submit report Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 198 Replace carbon canister(s) when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]
- 199 Compliance with all the applicable requirements of LAC 33:III.21.03. B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 200 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 201 Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]
- 202 Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]
- 203 Fixed-roof Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
  - Which Months: All Year Statistical Basis: None specified
- 204 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 205 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 206 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

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AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### EQT110    **TK-6306, Tank**

- 207 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]  
208 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61. Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.647(a)]

### EQT111    **TK-6308, Tank**

- 209 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]  
210 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT112    **TK-6315, Tank**

- 211 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]  
212 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT113    **TK-6336, Tank**

- 213 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]  
214 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT114    **TK-6337, Tank**

- 215 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]  
216 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT115    **TK-6338, Tank**

- 217 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]

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### EQT115 TK-6338, Tank

218 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT116 TK-6342, Tank

- 219 Scenario 1, Operating as Group 1 Waste water Tank: Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 220 Scenario 1, Operating as Group 1 Waste water Tank: VOC, Total  $\geq 95\%$  control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- 221 Scenario 1, Operating as Group 1 Wastewater Tank: Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 222 Scenario 1, Operating as Group 1 Wastewater Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 223 Scenario 1, Operating as Group 1 Wastewater Tank: Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [LAC 33:III.501.C.6]
- 224 Scenario 1, Operating as Group 1 Wastewater Tank: Control VOC emissions using activated carbon adsorption units (at 95% efficiency) that have been approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 225 Scenario 1, Operating as Group 1 Wastewater Tank: Replace carbon canister(s) when breakthrough occurs and do not resume use until the carbon adsorption unit has been regenerated or replaced. [LAC 33:III.501.C.6]
- 226 Scenario 1, Operating as Group 1 Wastewater Tank: Utilize a monitoring system approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 227 Scenario 1, Operating as Group 1 Wastewater Tank: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 228 Scenario 1, Operating as Group 1 Wastewater Tank: Submit report: Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 229 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]
- 230 Scenario 1, Operating as Group 1 Wastewater Tank: Compliance with all the applicable requirements of LAC 33:III.2103. A and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]
- 231 Scenario 1, Operating as Group 1 Wastewater Tank (Fixed roof): Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 232 Scenario 1, Operating as Group 1 Wastewater Tank (Fixed roof): Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]
- 233 Scenario 1, Operating as Group 1 Wastewater Tank: Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]

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### EQT116 TK-6342, Tank

- 234 Scenario 1, Operating as Group 1 Wastewater Tank (Fixed roof): Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 235 Scenario 1, Operating as Group 1 Wastewater Tank Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 236 Scenario 1, Operating as Group 1 Wastewater Tank Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 237 Scenario 1, Operating as Group 1 Wastewater Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 238 Scenario 1, Operating as Group 1 Wastewater Tank Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]
- 239 Scenario 2, Operating as Group 2 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT117 TK-6345, Tank

- 240 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III,Chapter 51. [LAC 33:III,5109, A]
- 241 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT118 TK-6352, Tank

- 242 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III,Chapter 51. [LAC 33:III,5109, A]
- 243 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT119 TK-6360, Tank

- 244 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III,Chapter 51. [LAC 33:III,5109, A]
- 245 Opacity <= 0 percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. Do not bypass the control device during this 15-minute period. If emissions from any asphalt storage tank(s) are ducted to a control device for a saturator, meet the emission limit contained in 40 CFR 60.472(a) for the combined emissions during the time the saturator control device is operating. Subpart UU. [40 CFR 60.472(c)]
- Which Months: All Year Statistical Basis: None specified

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### EQT119 TK-6360, Tank

- 246 Determine compliance with the particulate matter and opacity standards in 40 CFR 60.472 using the test methods and procedures specified in 40 CFR 60.474(c)(1) through (c)(5). Subpart UU. [40 CFR 60.474(c)]  
247 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT120 TK-184874, Tank

- 248 Equip with a submerged fill pipe. [LAC 33:III.2103.A]  
249 Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. [LAC 33:III.2103.A]  
250 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
251 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]  
252 Compliance with all the applicable requirements of LAC 33:III.2103.A is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]

### EQT121 TK-184878, Tank

- 253 Equip with a submerged fill pipe. [LAC 33:III.2103.A]  
254 Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. [LAC 33:III.2103.A]  
255 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
256 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]  
257 Compliance with all the applicable requirements of LAC 33:III.2103.A is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]

### EQT122 TK-1, Tank

- 258 Equip with a submerged fill pipe. [LAC 33:III.2103.B]  
259 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]  
260 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]  
261 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]  
Which Months: All Year Statistical Basis: None specified  
262 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year Statistical Basis: None specified  
263 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified  
264 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified

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AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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### EQT122 TK-1, Tank

265 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]

Which Month: All Year Statistical Basis: None specified

266 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]

267 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]

268 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves), with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]

269 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]

270 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]

271 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]

272 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]

273 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]

274 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.J]

275 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]

276 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

277 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(l)(1)]

278 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

279 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

280 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

281 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

282 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT123 TK-2, Tank

## SPECIFIC REQUIREMENTS

AJ ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT123 TK-2, Tank

- 283 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 284 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.21.03.C.1.a]
- 285 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.21.03.C.1.b]
- 286 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.21.03.C.1.c]
- 287 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.21.03.C.2]
- 288 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.C]
- 289 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 290 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a.e. [LAC 33:III.21.03.H.3]
- 291 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]
- 292 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.51.09.A]
- 293 Comply with the applicable requirements of 40 CFR 63.119(b) and 63.1.20(a), except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 294 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 295 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 296 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 297 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 298 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.1.23 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT124 TK-3, Tank

- 299 Scenario 1, Operating as Group 1 Tank: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.51.09.A, LAC 33:III.21.03.B, 40 CFR 60.110]
- 300 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-VQ

Air - Title V Regular Permit Initial

### EQT124 TK-3, Tank

- 301 Scenario I, Operating as Group I Tank: Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 302 Scenario I, Operating as Group I Tank, External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]
- 303 Scenario I, Operating as Group I Tank, External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xii). Subpart G. [40 CFR 63.119(c)(2)]
- 304 Scenario I, Operating as Group I Tank External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]
- 305 Scenario I, Operating as Group I Tank: Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]
- 306 Scenario I, Operating as Group I Tank: If any of the conditions listed in 40 CFR 63.120(b)(1)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]
- 307 Scenario I, Operating as Group I Tank: Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
- Which Months: All Year Statistical Basis: None specified
- 308 Scenario I, Operating as Group I Tank, Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]
- 309 Scenario I, Operating as Group I Tank: Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iv). Subpart G. [40 CFR 63.120(b)(2)]
- 310 Scenario I, Operating as Group I Tank: Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed  $21.2 \text{ cm}^2/\text{m}$  of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]
- 311 Scenario I, Operating as Group I Tank: Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed  $21.2 \text{ cm}^2/\text{m}$  of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]
- 312 Scenario I, Operating as Group I Tank, Primary seal: Where a metallic shoe is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart G. [40 CFR 63.120(b)(5)(i)]
- 313 Scenario I, Operating as Group I Tank, Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]
- 314 Scenario I, Operating as Group I Tank, Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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### TK-3, Tank

#### EQT124

- 315 Scenario 1, Operating as Group 1 Tank, Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]
- 316 Scenario 1, Operating as Group 1 Tank: If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]
- 317 Scenario 1, Operating as Group 1 Tank: Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]
- 318 Scenario 1, Operating as Group 1 Tank, Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
- 319 Scenario 1, Operating as Group 1 Tank: Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
- 320 Scenario 1, Operating as Group 1 Tank: Submit a Notification of Compliance Status as required by 40 CFR 63.122(b). Include the information specified in 40 CFR 63.122(c).
- Subpart G. [40 CFR 63.122(a)(3)]
- 321 Scenario 1, Operating as Group 1 Tank: Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 322 Scenario 1, Operating as Group 1 Tank: Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 323 Scenario No. 2, Operating as Group 2 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 324 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

### TK-4, Tank

#### EQT125

- 325 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 326 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank [LAC 33:III.2103.C.1.a]
- 327 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]
- 328 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.2103.C.1.c]
- 329 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]
- 330 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]
- 331 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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### EQT125      TK-4, Tank

- 332 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e. [LAC 33:III.2103.H.3.]
- 333 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 334 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.2103.B, LAC 33:III.51.09.A]
- 335 Comply with the applicable requirements of 40 CFR 63.119(b) and 63.120(a), except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 336 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 337 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 338 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 339 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 340 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT126      TK-5, Tank

- 341 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 342 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 343 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 344 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]  
Which Months: All Year    Statistical Basis: None specified
- 345 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year    Statistical Basis: None specified
- 346 Secondary Seal on closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year    Statistical Basis: None specified
- 347 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year    Statistical Basis: None specified
- 348 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year    Statistical Basis: None specified
- 349 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 350 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### EQT126 TK-5, Tank

- 351 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof(except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 352 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 353 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary seal) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 354 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 355 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 356 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 357 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 358 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.2103.B, LAC 33:III.5109.A]
- 359 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 360 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 361 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 362 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 363 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

- 364 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 365 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT127 TK-6, Tank

- 366 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 367 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 368 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 369 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
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### EQT127 TK-6, Tank

- 370 Seal gap area <= 1.0 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 371 Secondary Seal or closure mechanism monitored by visual inspection/n/determination semiannually. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 372 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 373 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 374 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 375 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 376 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 377 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]
- 378 Equip with an external floating roof consisting of a pontoon type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary seal) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]
- 379 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]
- 380 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 381 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]
- 382 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.J]
- 383 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.5109.A]
- 384 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 385 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 386 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 387 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 388 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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### EQT127      TK-6, Tank

- 389 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 390 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT128

#### TK-10, Tank

- 391 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 392 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.2103.C.1.a]
- 393 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]
- 394 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.2103.C.1.c]
- 395 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]
- 396 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]
- 397 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 398 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 399 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.]
- 400 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.2103.B, LAC 33:III.5109.A]
- 401 Comply with the applicable requirements of 40 CFR 63.119(b) and 63.120(a), except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 402 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 403 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 404 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 405 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 406 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT129      TK-31, Tank

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT129 TK-31, Tank

- 407 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33.III.2103.B, Chapter 51 and NESHAP, 40 CFR 63, Subpart CC. [LAC 33.III.2103.B, LAC 33.III.5109.A, 40 CFR 63.647(a)]
- 408 Except for automatic bleeder vents and rim space vents, each opening in noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(2)(ii)]
- 409 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.11.3(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.11.3(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.11.2(b)(a)(2)]
- 410 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.11.3(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.11.3(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 411 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.11.3(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.11.3(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 412 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.11.3(b)(4). Subpart Kb. [40 CFR 60.11.3(b)(3)]
- 413 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 414 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 415 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(A)]
- 416 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.11.3(b)(2)(iii)]. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(A)]
- 417 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.11.3(b)(2)(iii).
- 418 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.11.3(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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### EQT129 TK-31, Tank

- 419 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]  
Which Months: All Year Statistical Basis: None specified
- 420 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]
- 421 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- 422 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- 423 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 424 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- 425 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]  
Which Months: All Year Statistical Basis: None specified
- 426 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 427 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]
- 428 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 429 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]
- 430 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)]
- 431 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(bc)]
- 432 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116bd)]
- 433 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116(e). Subpart Kb. [40 CFR 60.116bf)]

## **SPECIFIC REQUIREMENTS**

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### **EQT129 TK-31, Tank**

- 434 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 435 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 436 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

- 437 Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]

### **EQT130 TK-36, Tank**

- 438 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 439 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 440 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 441 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 442 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 443 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 444 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 445 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 446 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 447 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 448 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 449 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

## SPECIFIC REQUIREMENTS

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### EQT130 TK-36, Tank

- 451 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]
- 452 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 453 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3. a-e. [LAC 33:III.21.03.H.3]
- 454 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I.]
- 455 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.51.09.A]
- 456 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 457 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(l)(1)]
- 458 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 459 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 460 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 461 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart C.C. [40 CFR 63.654(h)(2)(ii)]
- 462 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT131 TK-52, Tank

- 463 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 464 Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D.2.a]
- 465 Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]
- 466 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.c]
- 467 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]
- 468 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]
- 469 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 470 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### EQT131 TK-52, Tank

- 471 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 472 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 473 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 474 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]
- 475 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]
- 476 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]
- 477 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 478 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]
- 479 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]
- 480 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 481 Comply with all the applicable requirements of 40 CFR 63.119(c), 119(d), 119(e), 119(f), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 482 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 483 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 484 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 485 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 486 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 487 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT132 TK-53, Tank

- 488 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]

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### EQT132 TK-53, Tank

- 489 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 490 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 491 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]  
Which Months: All Year Statistical Basis: None specified
- 492 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 493 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 494 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 495 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 496 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 497 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 498 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 499 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 500 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 501 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 502 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 503 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 504 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 505 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]
- 506 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 507 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

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### EQT132 TK-53, Tank

- 508 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 509 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646]
- 510 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 511 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 512 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT133 TK-54, Tank

- 513 Scenario 1, Operating as Group 1 Tank: Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 514 Scenario 1, Operating as Group 1 Tank: Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 515 Scenario 1, Operating as Group 1 Tank: Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 516 Scenario 1, Operating as Group 1 Tank: Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- 517 Scenario 1, Operating as Group 1 Tank: Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 518 Scenario 1, Operating as Group 1 Tank: Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 519 Scenario 1, Operating as Group 1 Tank: Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 520 Scenario 1, Operating as Group 1 Tank: Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 521 Scenario 1, Operating as Group 1 Tank (Secondary seals): Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]  
Which Months: All Year Statistical Basis: None specified
- 522 Scenario 1, Operating as Group 1 Tank (Primary seals): Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]  
Which Months: All Year Statistical Basis: None specified
- 523 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D]

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### EQT133 TK-54, Tank

- 524 Scenario 1, Operating as Group 1 Tank Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33.III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33.III.21.03.D]
- 525 Scenario 1, Operating as Group 1 Tank Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33.III.21.03.D]
- 526 Scenario 1, Operating as Group 1 Tank Determine compliance with LAC 33.III.21.03.D.2 and 4 using the methods in LAC 33.III.21.03.H.1. [LAC 33.III.21.03.D]
- 527 Scenario 1, Operating as Group 1 Tank Determine VOC maximum true vapor pressure using the methods in LAC 33.III.21.03.H.3.a-e. [LAC 33.III.21.03.H]
- 528 Scenario 1, Operating as Group 1 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.III.21.03.I.1 - 7, as applicable. [LAC 33.III.21.03.I]
- 529 Scenario 1, Operating as Group 1 Tank Compliance with all the applicable requirements of LAC 33.III.21.03.B and NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33.III.21.03.A. [LAC 33.III.51.09.A]
- 530 Scenario 2, Operating as Group 2 Tank Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of Chapter 51. [LAC 33.III.51.09.A]
- 531 Scenario 1, Operating as Group 1 Tank Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646(a)]
- 532 Scenario 1, Operating as Group 1 Tank If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 533 Scenario 1, Operating as Group 1 Tank Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 534 Scenario 1, Operating as Group 1 Tank Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 535 Scenario 1, Operating as Group 1 Tank Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 536 Scenario 1, Operating as Group 1 Tank Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 537 Scenario 1, Operating as Group 1 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.1.23 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(j)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 538 Scenario 2, Operating as Group 2 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

### EQT134 TK-55, Tank

- 539 Equip with a submerged fill pipe. [LAC 33.III.21.03.B]
- 540 Seal closure devices required in LAC 33.III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33.III.21.03.D.2.a]

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### EQT134 TK-55, Tank

- 541 Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]
- 542 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width [LAC 33:III.21.03.D.2.c]  
Which Months: All Year Statistical Basis: None specified
- 543 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width [LAC 33:III.21.03.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 544 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 545 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 546 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 547 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 548 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 549 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 550 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]
- 551 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]
- 552 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]
- 553 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 554 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3-a-e. [LAC 33:III.21.03.H.3]
- 555 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.II - 7, as applicable. [LAC 33:III.21.03.J]
- 556 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III Chapter 51. [LAC 33:III.51.09.A]
- 557 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 558 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(l)(1)]
- 559 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

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### EQT134 TK-55, Tank

- 560 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 561 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 562 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 563 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT135 TK-56, Tank

- 564 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 565 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 566 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 567 Seal gap area <= 1 in<sup>2</sup>/ft<sup>2</sup> of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 568 Seal gap area <= 10 in<sup>2</sup>/ft<sup>2</sup> of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 569 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 570 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 571 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 572 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 573 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 574 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 575 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 576 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

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### EQT135 TK-56, Tank

- 577 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 578 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 579 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 580 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 581 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 582 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646(a)]
- 583 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 584 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 585 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 586 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 587 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart C.C. [40 CFR 63.654(h)(2)(ii)]
- 588 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.646(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT136 TK-58, Tank

- 589 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 590 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 591 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 592 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None Specified
- 593 Seal gap area <= 1.0 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None Specified
- 594 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None Specified
- 595 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None Specified
- 596 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None Specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT136 TK-58, Tank

- 597 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 598 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 599 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set trim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 600 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 601 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 602 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 603 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 604 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 605 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 606 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.5109.A]
- 607 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.1.21, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646(a)]
- 608 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 609 Set trim space vents to open only when the floating roof is not floating or when the pressure beneath the trim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 610 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 611 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 612 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.1.20(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 613 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.1.23 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT137 TK-60, Tank

- 614 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.2103.B; Chapter 51; and NESHAP, 40 CFR 63, Subpart CC. [LAC 33:III.2103.B, LAC 33:III.5109.A, 40 CFR 63.640]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-YO

Air - Title V Regular Permit Initial

### EQT 137 TK-60, Tank

#### TK-60, Tank

- 61.5 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(2)(vii)]
- 61.6 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(2)]
- 61.7 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 61.8 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 61.9 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]
- 620 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 621 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 622 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
- 623 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]
- 624 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
- 625 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- 626 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- 627 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960010  
Permit Number: 3004-V0  
Air - Title V Regular Permit Initial

### **EQT137 TK-60, Tank**

- 628 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present.  
Subpart Kb. [40 CFR 60.113(b)(5)]
- 629 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL.  
Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 630 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- 631 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- 632 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 633 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b)(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 634 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)]
- 635 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(b)(c)]
- 636 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116(b)(d)]
- 637 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116(b)(e). Subpart Kb. [40 CFR 60.116(b)(1)]
- 638 Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116(b)(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116(b)(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 639 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 63.640(n)(8)(iii)]
- 640 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 63.640(n)(8)(v)]
- 641 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 63.640(n)(8)(vi)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960010  
Permit Number: 3004-V0  
Air • Title V Regular Permit Initial

### EQT138      TK-61, Tank

- 642 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 643 Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D.2.a]
- 644 Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]
- 645 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.c]
- Which Months: All Year   Statistical Basis: None specified
- 646 Seal gap area <= 10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]
- Which Months: All Year   Statistical Basis: None specified
- 647 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year   Statistical Basis: None specified
- 648 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year   Statistical Basis: None specified
- 649 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year   Statistical Basis: None specified
- 650 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 651 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 652 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 653 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]
- 654 Equip with an external floating roof consisting of a poncho type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]
- 655 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]
- 656 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 657 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]
- 658 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]
- 659 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]
- 660 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT138 TK-61, Tank

- 661 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC.  
[40 CFR 63.646(f)(2)]
- 662 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 663 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646]
- 664 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 665 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63. Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 666 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT139 TK-68, Tank

- 667 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 668 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 669 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 670 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]  
Which Months: All Year Statistical Basis: None specified
- 671 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 672 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 673 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 674 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 675 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 676 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 677 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 678 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT139 TK-68, Tank

- 679 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 680 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 681 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 682 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 683 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 684 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09.A]
- 685 Comply with all the applicable requirements of 40 CFR 63.11.9(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 686 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 687 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 688 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(t)(3)]
- 689 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 690 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 691 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 
- 692 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 693 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 694 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 695 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 696 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 697 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 698 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT140 TK-69, Tank

- 699 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 700 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 701 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 702 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 703 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]
- 704 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]
- 705 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1. a and b. [LAC 33:III.21.03.D]
- 706 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 707 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]
- 708 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]
- 709 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.51.09.A]
- 710 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.51.09.A]
- 711 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 712 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 713 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 714 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 715 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 716 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 717 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### **EQT141 TK-71, Tank**

718 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.2103.B. [LAC 33:III.2103.B]

719 Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]

720 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113]

721 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

722 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]

723 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

### **EQT142 TK-72, Tank**

724 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.2103.B. [LAC 33:III.2103.B]

725 Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)]

726 Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. [40 CFR 60.113]

727 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

728 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]

729 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

### **EQT143 TK-76, Tank**

730 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.2103.B; Chapter 51; and NESHAP, 40 CFR 63, Subpart CC. [LAC 33:III.2103.B, LAC 33:III.51.09.A, 40 CFR 63.540]

731 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(2)(iii)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT143

#### **TK-76, Tank**

- 732 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(2)]
- 733 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 734 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 735 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]
- 736 Seal gap area  $\leq 21.2 \text{ cm}^2/\text{m}$  of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 737 Seal gap width  $\leq 3.81 \text{ cm}$  for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 738 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
- 739 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]
- 740 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
- 741 Seal gap area  $\leq 21.2 \text{ cm}^2/\text{m}$  of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- 742 Seal gap width  $\leq 1.27 \text{ cm}$  for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
- Which Months: All Year Statistical Basis: None specified
- 743 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
- 744 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(ii). Subpart Kb. [40 CFR 60.113b(b)(4)]
- 745 Submit notification. Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-VQ

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### EQT143 TK-76, Tank

- 746 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL.  
Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 747 Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- 748 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]

Which Months: All Year Statistical Basis: None specified

- 749 Submit a report. Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 750 Submit a report. Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]
- 751 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 752 Submit a report. Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]
- 753 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 754 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 755 Submit notification. Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]
- 756 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]

### EQT144 TK-200, Tank

- 757 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.2|03.B and Chapter 51. [LAC 33:III.5109.A, LAC 33:III.2|03.B]
- 758 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT144 TK-200, Tank

- 759 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]
- 760 External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xi). Subpart G. [40 CFR 63.119(c)(2)]
- 761 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]
- 762 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]
- 763 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]
- 764 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
- Which Months: All Year Statistical Basis: None specified
- 765 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]
- 766 Determine gap widths and gap areas in the primary and secondary seals (seal gaps), individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii).
- Subpart G. [40 CFR 63.120(b)(2)]
- 767 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 21.2 cm<sup>2</sup>/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]
- 768 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm<sup>2</sup>/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]
- 769 Primary seal: Where a metallic shoe is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart G. [40 CFR 63.120(b)(5)(i)]
- 770 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]
- 771 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4).
- Subpart G. [40 CFR 63.120(b)(6)(i)]
- 772 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]
- 773 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]
- 774 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]
- 775 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
- 776 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-Y0

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### EQT144 TK-200, Tank

- 777 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
- 778 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d). (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 779 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 780 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

### EQT145 TK-202, Tank

- 781 Scenario 1, Operating as Group 1 Tank, External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.51.09.A]
- 782 Scenario 1, Operating as Group 1 Tank, Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119]
- 783 Scenario 1, Operating as Group 1 Tank, External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xi). Subpart G. [40 CFR 63.119]
- 784 Scenario 1, Operating as Group 1 Tank, External floating roof: Ensure that each external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119]
- 786 Scenario 1, Operating as Group 1 Tank, Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120]
- Which Months: All Year Statistical Basis: None specified
- 787 Scenario 1, Operating as Group 1 Tank: Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(d)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120]
- 788 Scenario 1, Operating as Group 1 Tank: Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120]
- 789 Scenario 1, Operating as Group 1 Tank: Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 21.2 cm<sup>2</sup>/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120]
- 790 Scenario 1, Operating as Group 1 Tank: Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm<sup>2</sup>/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120]
- 791 Scenario 1, Operating as Group 1 Tank, Primary seal: Where a metallic shoe is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart G. [40 CFR 63.120]
- 792 Scenario 1, Operating as Group 1 Tank, Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT145 TK-202, Tank

793 Scenario 1, Operating as Group 1 Tank, Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120]

794 Scenario 1, Operating as Group 1 Tank, Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120]

795 Scenario 1, Operating as Group 1 Tank If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120]

796 Scenario 1, Operating as Group 1 Tank Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120]

797 Scenario 1, Operating as Group 1 Tank, Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120]

798 Scenario 1, Operating as Group 1 Tank If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120]

799 Scenario 1, Operating as Group 1 Tank, Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120]

800 Scenario 1, Operating as Group 1 Tank Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]

801 Scenario No. 2, Operating as Group 2 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123]

802 Scenario 1, Operating as Group 1 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

803 Scenario 1, Operating as Group 1 Tank Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.151(b)]

804 Scenario 1, Operating as Group 1 Tank Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.152(b)]

805 Scenario 1, Operating as Group 1 Tank Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.152(d)]

### EQT146 TK-220, Tank

806 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.2103.8 and Chapter 51. [LAC 33:III.51.09.A, LAC 33:III.2103.B]

807 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121 . Subpart G. [40 CFR 63.119(a)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT146      TK-220, Tank

- 808 Internal floating roof. Equip each internal floating roof with a closure device between the wall of the storage vessel and the roof edge. Closure device shall consist of one of the devices listed in 40 CFR 63.119(b)(3)(i) through (b)(3)(vii), except as specified in 40 CFR 63.119(b)(3)(iv). Subpart G. [40 CFR 63.119(b)(3)]
- 809 Internal floating roof. Ensure that automatic bleeder vents are closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Subpart G. [40 CFR 63.119(b)(4)]
- 810 Internal floating roof. Ensure that each internal floating roof meets the specifications listed in 40 CFR 63.119(b)(5)(i) through (b)(5)(vii), except as provided in 40 CFR 63.119(b)(5)(viii). Subpart G. [40 CFR 63.119(b)(5)]
- 811 Internal floating roof. Ensure that each cover or lid on any opening in the internal floating roof is closed except when the cover or lid must be open for access. Ensure that covers on each access hatch and each gauge float well are bolted or fastened so as to be air-tight when they are closed. Rim space vents are to be set to open only when the internal floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart G. [40 CFR 63.119(b)(6)]
- 812 Internal floating roof. Ensure that the internal floating roof is floating on the surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(b)(1)(i) through (b)(1)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(b)]
- 813 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) according to the schedule specified in 40 CFR 63.1.20(a)(2) and (a)(3). Subpart G. [40 CFR 63.1.20(a)(1)]
- Which Months: All Year   Statistical Basis: None specified
- 814 Repair storage vessel or empty and remove from service within 45 calendar days, if during the inspections required by 40 CFR 63.1.20(a)(2)(i) or (a)(3)(ii), any of the conditions specified in 40 CFR 63.1.20(a)(4) are found. Subpart G. [40 CFR 63.1.20(a)(4)]
- 815 If any of the conditions listed in 40 CFR 63.1.20(a)(7) are found during the inspections required by 40 CFR 63.1.20(a)(2)(ii), (a)(3)(i), or (a)(3)(ii), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.1.20(a)(7)]
- 816 Submit Notification: Due in writing at least 30 calendar days prior to the refilling of each storage vessel to afford DEQ the opportunity to have an observer present, for all the inspections required by 40 CFR 63.1.20(a)(2)(ii), (a)(3)(i), and (a)(3)(ii). If the inspection required by 40 CFR 63.1.20(a)(2)(ii), (a)(3)(i), or (a)(3)(ii) is not planned and it could not have been known about 30 calendar days in advance of refilling, submit notification at least 7 calendar days prior to the refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.1.20(a)]
- 817 Submit an Initial Notification as required by 40 CFR 63.1.51(b). Subpart G. [40 CFR 63.1.22(a)(1)]
- 818 Submit a Notification of Compliance Status as required by 40 CFR 63.1.52(b). Include the information specified in 40 CFR 63.1.22(c). Subpart G. [40 CFR 63.1.22(a)(3)]
- 819 Submit Periodic Reports as required by 40 CFR 63.1.52(d). Include the information specified in 40 CFR 63.1.22(d), (e), (f), and (g). Subpart G. [40 CFR 63.1.22(a)(4)]
- 820 Submit, as applicable, other reports as required by 40 CFR 63.1.52(d). Include the information specified in 40 CFR 63.1.22(h). Subpart G. [40 CFR 63.1.22(a)(5)]
- 821 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.1.23(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.1.23]
- 822 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.5109.A, LAC 33:III.21.03.B]
- 823 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.1.21. Subpart G. [40 CFR 63.119(a)(1)]
- 824 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.1.19(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.1.19(c)(1)]

## **SPECIFIC REQUIREMENTS**

**AI ID: 1376 - Chainette Refining LLC - Chainette Refinery**

**Activity Number: PER19960010**

**Permit Number: 3004-V0**

**Air - Title V Regular Permit Initial**

### **EQT147 TK-226, Tank**

- 825 External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xi). Subpart G. [40 CFR 63.119(c)(2)]
- 826 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]
- 827 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]
- 828 If any of the conditions listed in 40 CFR 63.120(b)(1)(0)(i) are found during the visual inspection required by 40 CFR 63.120(b)(1)(0), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(1)(0)(i)]
- 829 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
- Which Months: All Year Statistical Basis: None specified
- 830 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(1)(0). If the inspection required by 40 CFR 63.120(b)(1)(0) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(1)(0)]
- 831 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]
- 832 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed  $21.2 \text{ cm}^2/\text{m}$  of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]
- 833 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed  $21.2 \text{ cm}^2/\text{m}$  of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]
- 834 Primary seal: Where a metallic shoe is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart G. [40 CFR 63.120(b)(5)(i)]
- 835 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]
- 836 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4).
- Subpart G. [40 CFR 63.120(b)(6)(i)]
- 837 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]
- 838 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]
- 839 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]
- 840 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
- 841 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
- 842 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
- 843 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960010  
Permit Number: 3004-V0  
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### EQT147 TK-226, Tank

- 844 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]  
845 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

### EQT148 TK-300, Tank

- 846 Equip with a submerged fill pipe. [LAC 33:III.2103.B]  
847 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]  
848 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]  
849 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]  
Which Months: All Year Statistical Basis: None specified  
850 Seal gap area <= 10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year Statistical Basis: None specified  
851 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified  
852 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified  
853 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified  
854 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]  
855 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]  
856 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]  
857 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]  
858 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]  
859 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.H.1 and b. [LAC 33:III.2103.D]  
860 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.3]  
861 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

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### EQT148 TK-300, Tank

- 862 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.1]
- 863 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.5109.A]
- 864 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646(a)]
- 865 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(D)(1)]
- 866 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 867 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 868 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 869 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 870 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT149 TK-301, Tank

- 871 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 872 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 873 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 874 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm^2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 875 Seal gap area <= 10 in^2/ft of tank diameter (65 cm^2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 876 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 877 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 878 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 879 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 880 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT149 TK-301, Tank

- 881 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 882 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 883 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 884 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 885 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 886 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 887 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 888 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:II.Chapter 51. [LAC 33:III.5109.A]
- 889 Comply with all the applicable requirements of 40 CFR 63.119(c), 1.20(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 890 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 891 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 892 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 893 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 894 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 895 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT150 TK-302, Tank

- 896 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 897 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 898 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 899 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chaimette Refining LLC - Chaimette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT150

#### TK-302, Tank

- 900 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 901 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 902 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 903 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 904 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 905 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 906 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 907 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 908 Equip with an external floating roof consisting of a pontoons type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 909 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 910 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 911 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 912 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.]
- 913 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.51.09.A]
- 914 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 915 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 916 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 917 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 918 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### **EQT150 TK-302, Tank**

- 919 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC, [40 CFR 63.654(h)(2)(ii)]
- 920 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC, [40 CFR 63.654(i)(1)]

### **EQT151 TK-303, Tank**

- 921 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 922 Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D.2.a]
- 923 Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]
- 924 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 925 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 926 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 927 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 928 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 929 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 930 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 931 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set trim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 932 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]
- 933 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]
- 934 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]
- 935 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 936 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chainette Refining LLC - Chainette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT151 TK-303, Tank

- 937 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 938 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5109.A]
- 939 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 940 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 941 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 942 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 943 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 944 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 945 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT152 TK-304, Tank

- 946 Equip with a submetred fill pipe. [LAC 33:III.2103.B]
- 947 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 948 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 949 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 950 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 951 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 952 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 953 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 954 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 955 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT152 TK-304, Tank

- 956 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 957 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]
- 958 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D.]
- 959 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]
- 960 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1.]
- 961 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3.]
- 962 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.1.]

963 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51 and NSPS, 40 CFR 60, Subpart K. [LAC 33:III.51.09.A, 40 CFR 60.11.2]

964 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

965 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

966 Set rim space vents to open only when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

967 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

968 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

969 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

970 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT153 TK-305, Tank

- 971 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 972 Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D.2.a]
- 973 Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]
- 974 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.c]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

Alt ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT153 TK-305, Tank

- 975 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 976 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 977 Secondary seals: Seal gap area & width monitored annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 978 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 979 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2, and the date(s) that the standards are not met]
- 980 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]  
981 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]  
982 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]  
983 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]  
984 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]  
985 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]  
986 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]  
987 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I.]  
988 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51 and NSPS, 40 CFR 60, Subpart K, [LAC 33:III.51.09.A, 40 CFR 60.112]  
989 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]  
990 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]  
991 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]  
992 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]  
993 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

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AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### EQT153 TK-305, Tank

- 994 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart C.C. [40 CFR 63.654(i)(2)(ii)]
- 995 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT154 TK-306, Tank

- 996 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 997 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 998 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 999 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 1000 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Secondary Seal: None specified
- 1004 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 1005 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 1006 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 1007 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 1008 Equip with an external floating roof of consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1009 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1010 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1011 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3. [LAC 33:III.2103.H.3]

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### EQT154 TK-306, Tank

- 101.2 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.I]
- 101.3 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51 and NSPS, 40 CFR 60, Subpart K. [LAC 33:III.5109.A, 40 CFR 60.112]
- 101.4 Comply with all the applicable requirements of 40 CFR 63.119(c), 1.20(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
  - 101.5 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
  - 101.6 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
  - 101.7 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 101.8 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 101.9 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1020 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT155 TK-307, Tank

- 1021 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 1022 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 1023 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 1024 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm^2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
  - Which Months: All Year Statistical Basis: None specified
- 1025 Seal gap area <= 10 in^2/ft of tank diameter (65 cm^2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
  - Which Months: All Year Statistical Basis: None specified
- 1026 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
  - Which Months: All Year Statistical Basis: None specified
- 1027 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
  - Which Months: All Year Statistical Basis: None specified
- 1028 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
  - Which Months: All Year Statistical Basis: None specified
- 1029 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 1030 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

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### EQT155 TK-307, Tank

- 1031 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 1032 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 1033 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1034 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1035 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1036 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 1037 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.J]
- 1038 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III Chapter 51 and NSPS, 40 CFR 60, Subpart K. [LAC 33:III.51.09.A, 40 CFR 60.112]
- 1039 Comply with all the applicable requirements of 40 CFR 63.119(c), 1.20(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1040 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 1041 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 1042 Keep automatic bleeder vents closed at all times when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1043 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

- 1044 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1045 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- ### EQT156 TK-308, Tank
- 1046 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 1047 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 1048 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 1049 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Month: All Year Statistical Basis: None specified

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### EQT156 TK-308, Tank

- 1050 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
  - Which Months: All Year Statistical Basis: None specified
- 1051 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
  - Which Months: All Year Statistical Basis: None specified
- 1052 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
  - Which Months: All Year Statistical Basis: None specified
- 1053 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
  - Which Months: All Year Statistical Basis: None specified
- 1054 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 1055 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 1056 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 1057 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 1058 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1059 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1060 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1061 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 1062 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 1063 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III:Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.5109.A, 40 CFR 60.112a]
- 1064 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1065 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 1066 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 1067 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1068 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

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### EQT156 TK-308, Tank

- 1069 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]  
1070 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT157 TK-309, Tank

- 1071 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.2103.B; Chapter 51; and NESHP, 40 CFR 63, Subpart CC. [LAC 33:III.2103.B, LAC 33:III.5109.A, 40 CFR 63.640]  
1072 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(a)(2)(ii)]  
1073 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the edge of the roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(2)]  
1074 Seal gap area & width monitored by measurement at the regulations specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]  
Which Months: All Year Statistical Basis: None specified  
1075 Seal gap area & width monitored by measurement at the regulations specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]  
Which Months: All Year Statistical Basis: None specified  
1076 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]  
1077 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]  
Which Months: All Year Statistical Basis: None specified  
1078 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)]  
Which Months: All Year Statistical Basis: None specified

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### EQT157 TK-309, Tank

- 1079 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
- 1080 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]
- 1081 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
- 1082 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- 1083 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
- Which Months: All Year Statistical Basis: None specified
- 1084 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
- 1085 Submit notification. Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
- 1086 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
- 1087 Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- 1088 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- 1089 Submit a report. Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- 1090 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 1091 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 1092 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 1093 Submit notification. Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]
- 1094 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT157 TK-309, Tank

- 1095 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 63.640(n)(8)(viii)]
- 1096 Submit a report. Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 63.640(n)(8)(v)]
- 1097 Submit a report. Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 63.640(n)(8)(vi)]

### EQT158 TK-310, Tank

- 1098 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.2103.B; Chapter 51; and NESHAP; 40 CFR 63, Suppart CC. [LAC 33:III.2103.B, LAC 33:III.51.09.A, 40 CFR 63.640(n)(1)]
  - 1099 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(a)(2)(ii)]
  - 1100 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(a)(2)]
- 1101 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- 1102 Submit a report. Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.113(b)(6)]
- 1103 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(i)]  
Which Months: All Year Statistical Basis: None specified
- 1104 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(ii)]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT158 TK-310, Tank

- 1105 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.11.3(b)(4). Subpart Kb. [40 CFR 60.11.3(b)(3)]
- 1106 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1107 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)].
- Which Months: All Year Statistical Basis: None specified
- One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(A)]
- 1108 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(B)]
- 1109 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.11.3(b)(2)(iii). Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(C)]
- 1110 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.11.3(b)(1) to afford DEQ the opportunity to have an observer present.
- 1111 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(B)]
- Which Months: All Year Statistical Basis: None specified
- 1112 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(B)]
- Which Months: All Year Statistical Basis: None specified
- 1113 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.11.3(b)(4)(i)(C)]
- 1114 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.11.3(b)(1) to afford DEQ the opportunity to have an observer present.
- Subpart Kb. [40 CFR 60.11.3(b)(5)]
- 1115 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.11.3(b)(6)(i)]
- 1116 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.11.3(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.11.3(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.11.3(b)(6)(ii)]
- 1117 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.11.3(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- 1118 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.11.2(b)(2) and 60.11.3(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.11.5(b)(1)]
- 1119 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.11.3(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.11.3(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.11.5(b)(3)]
- 1120 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.11.6(b)(a). Subpart Kb. [40 CFR 60.11.6(b)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT158 TK-310, Tank

- 1121 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.11.6b(c)]
- 1122 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.11.6b(d)]
- 1123 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.11.6b(e). Subpart Kb. [40 CFR 60.11.6b(f)(1)]
- 1124 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.11.3b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.11.5b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 63.640(n)(8)(v)]

### EQT159 TK-400, Tank

- 1125 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 1126 Seal closure devices required in LAC 33:III.21.03. D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D.2.a]
- 1127 Seal closure devices required in LAC 33:III.21.03. D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]
- 1128 Seal gap area <=1 in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 1129 Seal gap area <=10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 1130 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1131 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1132 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1133 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 1134 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 1135 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 1136 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT159 TK-400, Tank

1137 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

1138 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

1139 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

1140 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1141 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.J]

1142 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.5109.A, 40 CFR 60.112a]

1143 Comply with all the applicable requirements of 40 CFR 63.11.9(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(f) through (l). Subpart CC. [40 CFR 63.646(a)]

1144 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1145 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(D)(2)]

1146 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

1147 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1148 Notify DEQ in writing of any seal / gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63

Subpart G, Subpart CC. [40 CFR 63.654(h)(2)(ii)]

1149 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT160 TK-401, Tank

1150 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

1151 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

1152 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

1153 Seal gap area <= 1 in<sup>2</sup>/ft<sup>2</sup> of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]

Which Months: All Year Statistical Basis: None specified

1154 Seal gap area <= 10 in<sup>2</sup>/ft<sup>2</sup> of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]

Which Months: All Year Statistical Basis: None specified

1155 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]

Which Months: All Year Statistical Basis: None specified

1156 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT160 TK-401, Tank

1157 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]

Which Months: All Year Statistical Basis: None specified

1158 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]

1159 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]

1160 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]

1161 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]

1162 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]

1163 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.a and b. [LAC 33:III.21.03.D]

1164 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]

1165 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]

1166 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]

1167 Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.51.09.A, 40 CFR 60.11.2a]

1168 Comply with all the applicable requirements of 40 CFR 63.11.9(c), 1.20(b), and 63.1.21, except as provided in 40 CFR 63.646(h) through () Subpart CC. [40 CFR 63.646(a)]

1169 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1170 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

1171 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

1172 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1173 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

1174 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT161 TK-402, Tank

## SPECIFIC REQUIREMENTS

**AI ID:** 1376 - Chalmette Refining LLC - Chalmette Refinery

**Activity Number:** PER19960010

**Permit Number:** 3004-V0

**Air - Title V Regular Permit Initial**

### **EQT161 TK-402, Tank**

- 1175 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 1176 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 1177 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 1178 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 1179 Seal gap area <= 10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 1180 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1181 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1182 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1183 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 1184 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 1185 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set trim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 1186 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 1187 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1188 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1189 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1190 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 1191 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 1192 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.5109.A, 40 CFR 60.112a]
- 1193 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1194 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(l)(1)]

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### EQT161 TK-402, Tank

- 1195 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC.  
[40 CFR 63.646(f)(2)]
- 1196 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1197 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1198 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1199 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT162 TK-403, Tank

- 1200 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 1201 Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D.2.a]
- 1202 Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]
- 1203 Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.c]  
Which Months: All Year Statistical Basis: None specified
- 1204 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]  
Which Months: All Year Statistical Basis: None specified
- 1205 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 1206 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]
- 1207 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified
- 1208 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]
- 1209 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]
- 1210 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]
- 1211 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]

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### **EQT162 TK-403, Tank**

- 1212 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1213 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1214 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1215 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 1216 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 1217 Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.5109.A, 40 CFR 60.112a]
- 1218 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1219 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 1220 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 1221 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1222 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1223 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1224 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### **EQT163 TK-404, Tank**

- 1225 Scenario 1, Operating as Group 1 Tank Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 1226 Scenario 1, Operating as Group 1 Tank Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 1227 Scenario 1, Operating as Group 1 Tank Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 1228 Scenario 1, Operating as Group 1 Tank Seal gap area  $\leq 1 \text{ in}^2/\text{ft}$  of tank diameter ( $6.5 \text{ cm}^2/0.3 \text{ m}$ ), for gaps between the secondary seal and tank wall that exceed  $1/8$  inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 1229 Scenario 1, Operating as Group 1 Tank Seal gap area  $\leq 10 \text{ in}^2/\text{ft}$  of tank diameter ( $65 \text{ cm}^2/0.3 \text{ m}$ ), for gaps between the primary seal and tank wall that exceed  $1/8$  inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 1230 Scenario 1, Operating as Group 1 Tank Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified

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### EQT163 TK-404, Tank

- 1231 Scenario 1, Operating as Group I Tank (Secondary seals): Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1232 Scenario 1, Operating as Group I Tank (Primary seals): Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1233 Scenario 1, Operating as Group I Tank: Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 1234 Scenario 1, Operating as Group I Tank: Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 1235 Scenario 1, Operating as Group I Tank: Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 1236 Scenario 1, Operating as Group I Tank: Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 1237 Scenario 1, Operating as Group I Tank: Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1238 Scenario 1, Operating as Group I Tank: Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1 and b. [LAC 33:III.2103.D]
- 1239 Scenario 1, Operating as Group I Tank: Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1240 Scenario 1, Operating as Group I Tank: Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H.3]
- 1241 Scenario 1, Operating as Group I Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.11 - 7, as applicable. [LAC 33:III.2103.]
- 1242 Scenario 1, Operating as Group I Tank: Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A, 40 CFR 60, Subpart Ka. [LAC 33:III.5109.A, 40 CFR 60.11.2a]
- 1243 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of Chapter 51. [LAC 33:III.5109.A]
- 1244 Scenario 2, Operating as Group 2 Tank (Overlap): Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart C is considered compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.11.2a(a), 40 CFR 60.11.5a]
- 1245 Scenario 1, Operating as Group 1 Tank: Comply with all the applicable requirements of 40 CFR 63.11.9(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646(a)]
- 1246 Scenario 1, Operating as Group 1 Tank: If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 1247 Scenario 1, Operating as Group 1 Tank: Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

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### EQT163 TK-404, Tank

- 1248 Scenario 1, Operating as Group 1 Tank Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1249 Scenario 1, Operating as Group 1 Tank Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1250 Scenario 1, Operating as Group 1 Tank Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1251 Scenario 2, Operating as Group 2 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 1252 Scenario 1, Operating as Group 1 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(x) through (i)(1)(x)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT164 TK-405, Tank

- 1253 Scenario 1, Operating as Group 1 Tank Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 1254 Scenario 1, Operating as Group 1 Tank Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]
- 1255 Scenario 1, Operating as Group 1 Tank Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1.aland b. [LAC 33:III.21.03.D]
- 1256 Scenario 1, Operating as Group 1 Tank Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D]
- 1257 Scenario 1, Operating as Group 1 Tank Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D]
- 1258 Scenario 1, Operating as Group 1 Tank Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm^2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D]
- Which Months: All Year Statistical Basis: None specified
- 1259 Scenario 1, Operating as Group 1 Tank Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D]
- Which Months: All Year Statistical Basis: None specified
- 1260 Scenario 1, Operating as Group 1 Tank Seal gap area <= 10 in^2/ft of tank diameter (65 cm^2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D]
- Which Months: All Year Statistical Basis: None specified
- 1261 Scenario 1, Operating as Group 1 Tank (Secondary seal): Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D]
- Which Months: All Year Statistical Basis: None specified

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### EQT164 TK-405, Tank

- 1262 Scenario 1, Operating as Group 1 Tank (Primary seals): Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D]
- Which Months: All Year Statistical Basis: None specified
- 1263 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D]
- 1264 Scenario 1, Operating as Group 1 Tank: Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D]
- 1265 Scenario 1, Operating as Group 1 Tank: Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D]
- 1266 Scenario 1, Operating as Group 1 Tank: Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.D]
- 1267 Scenario 1, Operating as Group 1 Tank: Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H]
- 1268 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I.]
- 1269 Scenario 1, Operating as Group 1 Tank: Compliance with all the applicable requirements of LAC 33:III.21.03.B and NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.51.09.A, 40 CFR 60, Subpart Ka. [LAC 33:III.51.09.A, 40 CFR 60.11.5a(d)(1)]
- 1270 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of Chapter 51. [LAC 33:III.51.09.A]
- 1271 Scenario 2, Operating as Group 2 Tank (Overlap): Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.11.2(a), 40 CFR 60.11.5a]
- 1272 Scenario 2, Operating as Group 2 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.123]
- 1273 Scenario 1, Operating as Group 1 Tank: Comply with all the applicable requirements of 40 CFR 63.11.9(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646]
- 1274 Scenario 1, Operating as Group 1 Tank: If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646]
- 1275 Scenario 1, Operating as Group 1 Tank: Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646]
- 1276 Scenario 1, Operating as Group 1 Tank: Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646]
- 1277 Scenario 1, Operating as Group 1 Tank: Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

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### EQT164 TK-405, Tank

- 1278 Scenario 1, Operating as Group 1 Tank Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1279 Scenario 1, Operating as Group 1 Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT165 TK-406, Tank

- 1280 Scenario 1, Operating as Group 1 Tank Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 1281 Scenario 1, Operating as Group 1 Tank Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1282 Scenario 1, Operating as Group 1 Tank Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1. a and b. [LAC 33:III.2103.D]
- 1283 Scenario 1, Operating as Group 1 Tank Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D]
- 1284 Scenario 1, Operating as Group 1 Tank Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D]
- 1285 Scenario 1, Operating as Group 1 Tank Seal gap area  $\leq 1 \text{ in}^2/\text{ft}$  of tank diameter ( $6.5 \text{ cm}^2/0.3 \text{ m}$ ), for gaps between the secondary seal and tank wall that exceed  $1/8$  inch (0.32 cm) in width [LAC 33:III.2103.D]
- 1286 Scenario 1, Operating as Group 1 Tank Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- Which Months: All Year Statistical Basis: None specified
- 1287 Scenario 1, Operating as Group 1 Tank Seal gap area  $\leq 10 \text{ in}^2/2\text{ft}$  of tank diameter ( $65 \text{ cm}^2/0.3 \text{ m}$ ), for gaps between the primary seal and tank wall that exceed  $1/8$  inch (0.32 cm) in width. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1288 Scenario 1, Operating as Group 1 Tank (Secondary seals): Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1289 Scenario 1, Operating as Group 1 Tank (Primary seals): Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1290 Scenario 1, Operating as Group 1 Tank Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D]
- 1291 Scenario 1, Operating as Group 1 Tank Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D]

## **SPECIFIC REQUIREMENTS**

AJ ID: 1376 - Chainette Refining LLC - Chainette Refinery

Activity Number: PER19960010

Permit Number: 3004-Y0

Air - Title V Regular Permit Initial

### **EQT165 TK-406, Tank**

- 1292 Scenario 1, Operating as Group 1 Tank: Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D]
- 1293 Scenario 1, Operating as Group 1 Tank: Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D]
- 1294 Scenario 1, Operating as Group 1 Tank: Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.D]
- 1295 Scenario 1, Operating as Group 1 Tank: Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H]
- 1296 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.J]
- 1297 Scenario 1, Operating as Group 1 Tank: Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.5109.A, 40 CFR 60.115a(d)(1)]
- 1298 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of Chapter 51. [LAC 33:III.5109.A]
- 1299 Scenario 2, Operating as Group 2 Tank (Overlap): Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.112(a), 40 CFR 60.115a]
- 1300 Scenario 2, Operating as Group 2 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.123]
- 1301 Scenario 1, Operating as Group 1 Tank: Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646]
- 1302 Scenario 1, Operating as Group 1 Tank: If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646]
- 1303 Scenario 1, Operating as Group 1 Tank: Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646]
- 1304 Scenario 1, Operating as Group 1 Tank: Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646]
- 1305 Scenario 1, Operating as Group 1 Tank: Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1306 Scenario 1, Operating as Group 1 Tank: Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G, Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1307 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### **EQT166 TK-407, Tank**

- 1308 Scenario 1, Operating as Group 1 Tank: Equip with a submerged fill pipe. [LAC 33:III.2103.B]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT166 TK-407, Tank

- 1309 Scenario 1, Operating as Group I Tank: Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1310 Scenario 1, Operating as Group I Tank: Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1311 Scenario 1, Operating as Group I Tank: Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D]
- 1312 Scenario 1, Operating as Group I Tank: Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D]
- 1313 Scenario 1, Operating as Group I Tank: Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1314 Scenario 1, Operating as Group I Tank: Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1315 Scenario 1, Operating as Group I Tank: Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1316 Scenario 1, Operating as Group I Tank (Secondary seals): Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1317 Scenario 1, Operating as Group I Tank (Primary seals): Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]
- Which Months: All Year Statistical Basis: None specified
- 1318 Scenario 1, Operating as Group I Tank: Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D]
- 1319 Scenario 1, Operating as Group I Tank: Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D]
- 1320 Scenario 1, Operating as Group I Tank: Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D]
- 1321 Scenario 1, Operating as Group I Tank: Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.D]
- 1322 Scenario 1, Operating as Group I Tank: Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H]
- 1323 Scenario 1, Operating as Group I Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 1324 Scenario 1, Operating as Group I Tank: Compliance with all the applicable requirements of LAC 33:III.2103.B and NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.C and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.5109.A, 40 CFR 60.115(a)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT166 TK-407, Tank

- 1325 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.51.09.A, 40 CFR 60.11.5(a)(d)(1)]
- 1326 Scenario 2, Operating as Group 2 Tank (Overlap): Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.11.2(a), 40 CFR 60.11.5a]
- 1327 Scenario 2, Operating as Group 2 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.123]
- 1328 Scenario 1, Operating as Group 1 Tank: Comply with all the applicable requirements of 40 CFR 63.11.9(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646]
- 1329 Scenario 1, Operating as Group 1 Tank: If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646]
- 1330 Scenario 1, Operating as Group 1 Tank: Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646]

- 1331 Scenario 1, Operating as Group 1 Tank: Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646]

- 1332 Scenario 1, Operating as Group 1 Tank: Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

- 1333 Scenario 1, Operating as Group 1 Tank: Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

- 1334 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT167 TK-408, Tank

- 1335 Scenario 1, Operating as Group 1 Tank: Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:II.21.03.D]

- 1336 Scenario 1, Operating as Group 1 Tank: Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.a and b. [LAC 33:III.21.03.D]

- 1337 Scenario 1, Operating as Group 1 Tank: Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D]

- 1338 Scenario 1, Operating as Group 1 Tank: Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:II.21.03.D]

- 1339 Scenario 1, Operating as Group 1 Tank: Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:II.21.03.D]

- Which Months: All Year Statistical Basis: None specified  
Which Months: All Year Statistical Basis: None specified

- 1340 Scenario 1, Operating as Group 1 Tank: Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960010  
Permit Number: 3004-V0  
Air - Title V Regular Permit Initial

### EQT167 TK-408, Tank

- 1341 Scenario 1, Operating as Group 1 Tank: Seal gap area <= 10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D]  
Which Months: All Year Statistical Basis: None specified
- 1342 Scenario 1, Operating as Group 1 Tank (Secondary seals): Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D]
- 1343 Scenario 1, Operating as Group 1 Tank (Primary seals): Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]
- 1344 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D]
- 1345 Scenario 1, Operating as Group 1 Tank: Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D]
- 1346 Scenario 1, Operating as Group 1 Tank: Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D]
- 1347 Scenario 1, Operating as Group 1 Tank: Determine compliance with LAC 33:III.2103.H.1. [LAC 33:III.2103.D]
- 1348 Scenario 1, Operating as Group 1 Tank: Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H]
- 1349 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.I]
- 1350 Scenario 1, Operating as Group 1 Tank: Equip with a submerged fill pipe. [LAC 33:III.2103.I]
- 1351 Scenario 1, Operating as Group 1 Tank: Compliance with all the applicable requirements of LAC 33:III.51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.51.09.A, 40 CFR 60.115(a)(1)] with all the applicable requirements of LAC 33:III.Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.51.09.A, 40 CFR 60.115(a)(1)]
- 1352 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of Chapter 51. [LAC 33:III.51.09.A]
- 1353 Scenario 2, Operating as Group 2 Tank (Overlap): Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.112(a), 40 CFR 60.115(a)]
- 1354 Scenario 2, Operating as Group 2 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.123].
- 1355 Scenario 1, Operating as Group 1 Tank: Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646]
- 1356 Scenario 1, Operating as Group 1 Tank: If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT167 TK-408, Tank

1357 Scenario 1, Operating as Group I Tank Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646]

1358 Scenario 1, Operating as Group I Tank Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646]

1359 Scenario 1, Operating as Group I Tank Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1360 Scenario 1, Operating as Group I Tank Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

1361 Scenario 1, Operating as Group I Tank Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT168 TK-409, Tank

1362 Scenario 1, Operating as Group I Tank Equip with a submerged fill pipe. [LAC 33:III.2103.B]

1363 Scenario 1, Operating as Group I Tank Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

1364 Scenario 1, Operating as Group I Tank Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1. and b. [LAC 33:III.2103.D]

1365 Scenario 1, Operating as Group I Tank Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D]

1366 Scenario 1, Operating as Group I Tank Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D]

1367 Scenario 1, Operating as Group I Tank Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D]

Which Months: All Year Statistical Basis: None specified

1368 Scenario 1, Operating as Group I Tank Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D]

Which Months: All Year Statistical Basis: None specified

1369 Scenario 1, Operating as Group I Tank Seal gap area <= 10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D]

Which Months: All Year Statistical Basis: None specified

1370 Scenario 1, Operating as Group I Tank (Secondary seals): Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]

Which Months: All Year Statistical Basis: None specified

1371 Scenario 1, Operating as Group I Tank (Primary seals): Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D]

Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT168 TK-409, Tank

1372 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D]

1373 Scenario 1, Operating as Group 1 Tank: Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03.

1374 Scenario 1, Operating as Group 1 Tank: Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D]

1375 Scenario 1, Operating as Group 1 Tank: Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.D]

1376 Scenario 1, Operating as Group 1 Tank: Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H]

1377 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I - 7, as applicable. [LAC 33:III.21.03.I]

1378 Scenario 1, Operating as Group 1 Tank: Compliance with all the applicable requirements of LAC 33:III.Chapter 51 and NSPS, 40 CFR 60, Subpart Ka. [LAC 33:III.51.09.A, 40 CFR 60.115a(d)(1)] with all the applicable requirements of NSPS, 40 CFR 60, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.D]

1379 Scenario 2, Operating as Group 2 Tank: Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.112(a), 40 CFR 60.115a]

1380 Scenario 2, Operating as Group 2 Tank (Overlap): Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ka as per 40 CFR 63.640(n)(7). Subpart Ka. [40 CFR 60.112(a), 40 CFR 60.115a] with all the applicable requirements of NSPS, 40 CFR 60, Subpart CC is considered compliance with all the applicable requirements of Chapter 51. [LAC 33:III.51.09.A]

1381 Scenario 2, Operating as Group 2 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2 (HAP less than 4 percent). Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.123]

1382 Scenario 1, Operating as Group 1 Tank: Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646]

1383 Scenario 1, Operating as Group 1 Tank: If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646]

1384 Scenario 1, Operating as Group 1 Tank: Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646]

1385 Scenario 1, Operating as Group 1 Tank: Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646]

1386 Scenario 1, Operating as Group 1 Tank: Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1387 Scenario 1, Operating as Group 1 Tank: Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

1388 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT169 TK-1405, Tank

- 1389 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.2103.B, Chapter 51 and NESHAP, 40 CFR 63, Subpart CC. [LAC 33:III.2103.B, LAC 33:III.5109.A, 40 CFR 63.647(a)]
- 1390 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(a)(2)(ii)]
- 1391 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.1113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.1113(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(a)(2)]
- 1392 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.1113(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1393 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.1113(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 1394 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.1113(b)(4). Subpart Kb. [40 CFR 60.1113(b)(3)]
- 1395 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.1113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1396 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.1113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1397 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.1113(b)(4)(i)(A)]
- 1398 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.1113(b)(4)(i)(B)]
- 1399 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.1113(b)(2)(iii). Subpart Kb. [40 CFR 60.1113(b)(4)(ii)(A)]
- 1400 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.1113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### **EQT169 TK-1405, Tank**

1401 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]

Which Months: All Year Statistical Basis: None specified

1402 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

1403 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i)

and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

1404 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present.

Subpart Kb. [40 CFR 60.113b(b)(5)]

1405 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

1406 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

1407 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]

Which Months: All Year Statistical Basis: None specified

1408 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]

1409 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.112b(a)(2) and 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]

1410 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]

1411 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

1412 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)].

1413 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

1414 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

1415 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT169 TK-1405, Tank

141 6 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

141 7 Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]

### EQT170 TK-1406, Tank

141 8 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.2103.B, Chapter 51 and NESHAP, 40 CFR 63, Subpart CC. [LAC 33:III.2103.B, LAC 33:III.5109.A, 40 CFR 63.647(a)]  
141 9 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(a)(2)(ii)]

1420 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

1421 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]  
Which Months: All Year Statistical Basis: None specified

1422 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]  
Which Months: All Year Statistical Basis: None specified

1423 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]  
1424 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]  
Which Months: All Year Statistical Basis: None specified

1425 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT170 TK-1406, Tank

- 1426 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]
- 1427 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
- 1428 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113(b)(4)(ii)(A)]
- 1429 Seal gap area <= 2.1 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]  
Which Months: All Year Statistical Basis: None specified
- 1430 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]  
Which Months: All Year Statistical Basis: None specified
- 1431 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]
- 1432 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- 1433 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- 1434 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOI. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 1435 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- 1436 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]  
Which Months: All Year Statistical Basis: None specified
- 1437 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(a)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 1438 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]
- 1439 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.115(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 1440 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT170 TK-1406, Tank

- 1441 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.11.6(b)(a). Subpart Kb. [40 CFR 60.11.6(b)(b)]
- 1442 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.11.6(b)(c)]
- 1443 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.11.6(b)(d)]
- 1444 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.11.6(b)(e). Subpart Kb. [40 CFR 60.11.6(b)(f)(1)]
- 1445 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 1446 Comply with the reporting requirements in 40 CFR 60.11.5b. Subpart FF. [40 CFR 61.357(f)]

### EQT171 TK-6301, Tank

- 1447 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb and NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 3:III.2103.B, Chapter 51 and NESHAP, 40 CFR 63, Subpart CC. [LAC 3:III.5109.A, LAC 3:III.2103.B, 40 CFR 63.647(a)]
- 1448 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.11.2b(a)(2)(ii)]
- 1449 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.11.3(b)(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.11.3(b)(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.11.2b(a)(2)]
- 1450 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.11.3(b)(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.11.3(b)(1)(i)]
- Which Months: All Year Statistical Basis: None Specified
- 1451 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.11.3(b)(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.11.3(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None Specified

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960010  
Permit Number: 3004-V0  
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### **EQT171      TK-6301, Tank**

- 1452 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113(b)(4). Subpart Kb. [40 CFR 60.113(b)(3)]
- 1453 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1454 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1455 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]
- 1456 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
- 1457 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
- 1458 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
- Which Months: All Year Statistical Basis: None specified
- 1459 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- 1460 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]
- 1461 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- 1462 Submit notification. Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- 1463 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 1464 Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- 1465 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- 1466 Submit a report. Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 1467 Submit a report. Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]

## **SPECIFIC REQUIREMENTS**

**AI ID: 1376 - Chafmette Refining LLC - Chainette Refinery**

**Activity Number: PER19960010**

**Permit Number: 3004-V0**

**Air - Title V Regular Permit Initial**

### **EQT111 TK-6301, Tank**

1468 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]

1469 Submit a report Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]

1470 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)(1)]

1471 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(b)(c)]

1472 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116(b)(d)]

1473 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116(b)(e). Subpart Kb. [40 CFR 60.116(b)(f)(1)]

1474 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

1475 Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]

1476 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

### **EQT112 TK-6302, Tank**

1477 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb and NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.21.03.B, Chapter 51 and NESHAP, 40 CFR 63, Subpart CC. [LAC 33:III.51.09.A, LAC 33:III.21.03.B, 40 CFR 63.647(a)]

1478 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

1479 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT172 TK-6302, Tank

- 1480 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(i)]  
Which Months: All Year Statistical Basis: None specified
- 1481 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(ii)]
- 1482 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113(b)(4). Subpart Kb. [40 CFR 60.113(b)(3)]
- 1483 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
- 1484 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)]
- 1485 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(iii)(A)]
- 1486 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(iv)(B)]
- 1487 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113(b)(4)(ii)(A)]
- 1488 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(v)(B)]
- 1489 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(vi)(B)]
- 1490 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(vii)(C)]
- 1491 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4)(i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iiii). Subpart Kb. [40 CFR 60.113(b)(4)(iiii)]
- 1492 Submit notification. Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- 1493 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 1494 Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960010  
Permit Number: 3004-V0  
Air - Title V Regular Permit Initial

### EQT172 TK-6302, Tank

- 1495 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and deassed. Subpart Kb. [40 CFR 60.113(b)(6)]  
Which Months: All Year Statistical Basis: None specified
- 1496 Submit a report Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 1497 Submit a report Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]
- 1498 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 1499 Submit a report Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]
- 1500 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)]
- 1501 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116(b)(c)]
- 1502 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116(b)(d)]
- 1503 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116(b)(e). Subpart Kb. [40 CFR 60.116(b)(f)(1)]
- 1504 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 1505 Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]
- 1506 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]
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- ### EQT173 TK-6303, Tank
- 1507 Equip with a submerged fill pipe. [LAC 33.III.2103.B]
- 1508 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33.III.2103.C.1.a]
- 1509 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33.III.2103.C.1.b]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT173 TK-6303, Tank

1510 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.2103.C.1.c]

1511 Provide each opening in the internal floating roof (except trim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]

1512 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

1513 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

1514 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1515 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.]

1516 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.2103.B, LAC 33:III.5109.A]

1517 Comply with the applicable requirements of 40 CFR 63.119(b) and 63.120(a), except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

1518 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1519 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

1520 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

1521 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1522 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT174 TK-6304, Tank

1523 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb and NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.2103.B, Chapter 51 and NESHAP, 40 CFR 63, Subpart CC. [LAC 33:III.5109.A, LAC 33:III.2103.B, 40 CFR 63.647(a)]

1524 Except for a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, and rim space vents, each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### EQT174 TK-6304, Tank

1525 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(2)]

1526 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113(b)(4)(ii)]

Which Months: All Year Statistical Basis: None specified  
1527 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113(b)(4)(ii)]

Which Months: All Year Statistical Basis: None specified  
1528 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113(b)(4). Subpart Kb. [40 CFR 60.113(b)(3)]

1529 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified  
1530 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified  
1531 One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]

1532 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]

1533 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113(b)(4)(ii)(A)]

1534 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]

Which Months: All Year Statistical Basis: None specified  
1535 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]

Which Months: All Year Statistical Basis: None specified  
1536 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]

1537 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]  
1538 Submit notification Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960010  
Permit Number: 3004-V0  
Air - Title V Regular Permit Initial

### EQT174 TK-6304, Tank

- 1539 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
- 1540 Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- 1541 Tank roof and seals monitored by visual inspection/determination at the regulations specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]

- Which Months: All Year Statistical Basis: None specified
- 1542 Submit a report. Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

- 1543 Submit a report. Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

- 1544 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 1545 Submit a report. Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

- 1546 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 1547 VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 1548 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

- 1549 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]
- 1550 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

- 1551 Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]
- 1552 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

### EQT175 TK-6305, Tank

## **SPECIFIC REQUIREMENTS**

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### **EQT175 TK-6305, Tank**

- 1553 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 1554 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.21.03.C.1.a]
- 1555 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.21.03.C.1.b]
- 1556 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.21.03.C.1.c]
- 1557 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.21.03.C.2]
- 1558 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.C]
- 1559 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 1560 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]
- 1561 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I.]
- 1562 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.51.09.A]
- 1563 Comply with the applicable requirements of 40 CFR 63.119(b) and 63.120(a), except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1564 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 1565 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 1566 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1567 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1568 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### **EQT176 TK-6309, Tank**

- 1569 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 1570 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.21.03.C.1.a]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

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### EQT176 TK-6309, Tank

- 1571 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.21.03.C.1.b]
- 1572 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.21.03.C.1.c]
- 1573 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.21.03.C.2]
- 1574 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.C.]
- 1575 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]
- 1576 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3.a-e. [LAC 33:III.21.03.H.3]
- 1577 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.J]
- 1578 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.51.09.A]
- 1579 Comply with the applicable requirements of 40 CFR 63.119(b) and 63.120(a), except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1580 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 1581 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 1582 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1583 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1584 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.1123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT177 TK-6310, Tank

- 1585 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]
- 1586 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.21.03.C.1.a]
- 1587 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.21.03.C.1.b]
- 1588 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.21.03.C.1.c]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER199960010

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### EQT177      TK-6310, Tank

1589 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]

1590 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

1591 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

1592 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1593 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.J]

1594 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.2103.B, LAC 33:III.5109.A]

1595 Comply with the applicable requirements of 40 CFR 63.1.19(b) and 63.1.20(a), except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

1596 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

1597 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

1598 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)].

1599 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

1600 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.1.23 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT178      TK-6313, Tank

1601 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

1602 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

1603 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

1604 Seal gap area <= 1 in.^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]  
Which Months: All Year   Statistical Basis: None specified

1605 Seal gap area <= 10 in.^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]  
Which Months: All Year   Statistical Basis: None specified

1606 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]  
Which Months: All Year   Statistical Basis: None specified

1607 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year   Statistical Basis: None specified

1608 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]  
Which Months: All Year   Statistical Basis: None specified

## **SPECIFIC REQUIREMENTS**

**AI ID:** 1376 - Chalmette Refining LLC - Chalmette Refinery

**Activity Number:** PER19960010

**Permit Number:** 3004-V0

**Air - Title V Regular Permit Initial**

### **EQT178 TK-6313, Tank**

- 1609 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 1610 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 1611 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 1612 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 1613 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1614 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1615 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1616 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 1617 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 1618 Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.2103.B, LAC 33:III.5109.A]
- 1619 Comply with all the applicable requirements of 40 CFR 63.119(c), 120(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1620 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(l)(1)]
- 1621 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 1622 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1623 Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1624 Notify DEQ in writing of any seal gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1625 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### **EQT179 TK-6314, Tank**

- 1626 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### EQT179 TK-6314, Tank

- 1627 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 1628 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]
- 1629 Seal gap area <= 1' in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
- Which Months: All Year Statistical Basis: None specified
- 1630 Seal gap area <= 10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
- Which Months: All Year Statistical Basis: None specified
- 1631 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1632 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1633 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
- Which Months: All Year Statistical Basis: None specified
- 1634 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 1635 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]
- 1636 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves), with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 1637 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 1638 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 1639 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 1640 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 1641 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 1642 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.I]
- 1643 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2103.B and Chapter 51. [LAC 33:III.2103.B, LAC 33:III.5109.A]
- 1644 Comply with all the applicable requirements of 40 CFR 63.119(c), 1.20(b), and 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 1645 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

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### EQT179 TK-6314, Tank

- 1646 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 1647 Keep automatic bleder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(5)]
- 1648 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1649 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1650 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT180 TK-6343, Tank

- 1651 Scenario 1, Operating as Group 1 Tank Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.51.09.A]
- 1652 Scenario 2, Operating as Group 2 Tank Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.51.09. A]
- 1653 Scenario 1, Operating as Group 1 Tank Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119]
- 1654 Scenario 1, Operating as Group 1 Tank, External floating roof. Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1) through (c)(1)(v). Subpart G. [40 CFR 63.119]
- 1655 Scenario 1, Operating as Group 1 Tank, External floating roof. Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xii). Subpart G. [40 CFR 63.119]
- 1656 Scenario 1, Operating as Group 1 Tank External floating roof. Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119]
- 1657 Scenario 1, Operating as Group 1 Tank Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120]
- Which Months: All Year Statistical Basis: None specified
- 1658 Scenario 1, Operating as Group 1 Tank Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120]
- 1659 Scenario 1, Operating as Group 1 Tank Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120]
- 1660 Scenario 1, Operating as Group 1 Tank Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 21.2 cm<sup>2/m</sup> of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120]

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### EQT180    TK-6343, Tank

- 1661 Scenario 1, Operating as Group 1 Tank: Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm<sup>2</sup>/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120]
- 1662 Scenario 1, Operating as Group 1 Tank, Primary seal: Where a metallic shoe is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart G. [40 CFR 63.120]
- 1663 Scenario 1, Operating as Group 1 Tank, Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120]
- 1664 Scenario 1, Operating as Group 1 Tank, Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120]
- 1665 Scenario 1, Operating as Group 1 Tank, Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120]
- 1666 Scenario 1, Operating as Group 1 Tank: If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120]
- 1667 Scenario 1, Operating as Group 1 Tank: Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120]
- 1668 Scenario 1, Operating as Group 1 Tank, Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120]
- 1669 Scenario 1, Operating as Group 1 Tank: If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120]
- 1670 Scenario 1, Operating as Group 1 Tank, Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120]
- 1671 Scenario 1, Operating as Group 1 Tank, Submit, as applicable, other reports as required by 40 CFR 63.1.52(d). Include the information specified in 40 CFR 63.1.22(h). Subpart G. [40 CFR 63.1.22(a)(5)]
- 1672 Scenario No. 2, Operating as Group 2 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23]
- 1673 Scenario 1, Operating as Group 1 Tank: Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.1.23(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.1.23]
- 1674 Scenario 1, Operating as Group 1 Tank, Submit an Initial Notification as required by 40 CFR 63.1.51 (b). Subpart G. [40 CFR 63.1.51(b)]
- 1675 Scenario 1, Operating as Group 1 Tank, Submit a Notification of Compliance Status as required by 40 CFR 63.1.52(b). Include the information specified in 40 CFR 63.1.22(c). Subpart G. [40 CFR 63.1.52(b)]
- 1676 Scenario 1, Operating as Group 1 Tank, Submit Periodic Reports as required by 40 CFR 63.1.52(d). Include the information specified in 40 CFR 63.1.22(d), (e), (f), and (g). Subpart G. [40 CFR 63.1.52(d)]

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### EQT181 TK-6344, Tank

1677 Equip with a submerged fill pipe. [LAC 33:III.21.03.B]

1678 Seal closure devices required in LAC 33:III.21.03.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.21.03.D.2.a]

1679 Seal closure devices required in LAC 33:III.21.03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.21.03.D.2.b]

1680 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.c]  
Which Months: All Year Statistical Basis: None specified

1681 Seal gap area <= 10 in^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.21.03.D.2.d]  
Which Months: All Year Statistical Basis: None specified

1682 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified

1683 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified

1684 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.21.03.D.2.e]  
Which Months: All Year Statistical Basis: None specified

1685 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.21.03.D.2. [LAC 33:III.21.03.D.2.e]

1686 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.21.03. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.21.03.D.2.e]

1687 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.21.03.D.3]

1688 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.21.03.D.3]

1689 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.21.03.D]

1690 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.21.03.C.1. a and b. [LAC 33:III.21.03.D]

1691 Determine compliance with LAC 33:III.21.03.D.2 and 4 using the methods in LAC 33:III.21.03.H.1. [LAC 33:III.21.03.H.1]

1692 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.21.03.H.3-a-e. [LAC 33:III.21.03.H.3]

1693 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.I.1 - 7, as applicable. [LAC 33:III.21.03.I]

1694 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.21.03.B and Chapter 51. [LAC 33:III.21.03.B, LAC 33:III.5109.A]

1695 Comply with all the applicable requirements of 40 CFR 63.646(b) through (1). Subpart CC. [40 CFR 63.646(a)]  
1696 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

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### EQT181      **TK-6344, Tank**

- 1697 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC.  
[40 CFR 63.646(i)(2)]
- 1698 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 1699 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 1700 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 1701 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

### EQT182      **SD-OM, Sphere Drain Emissions**

- 1702 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point SD-OM(Cap) based on the number of drain discharges from the Pressurized Spheres listed below to no more than 24.47 TPY. The overall VOC emission from the Pressurized Spheres shall be calculated based on the number of drain discharges and recorded each month, as well as the VOC emission calculated for all the Pressurized Spheres for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the Pressurized Spheres above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Spheres 9001, 9003, 9004, 9005, 9006, 9007, 9008. [LAC 33:III.501.C.6]

1703 Sphere (Pressurized) Drain Operations: No further controls required. LAC 33:III.51.09.A]

### EQT256      **MPV, Miscellaneous Process Vents**

- 1704 Miscellaneous process vents are routed to an existing Flare No. 2 which complies with all the applicable requirements of NESHAP, 40 CFR 63.11(b). [LAC 33:III.1311, LAC 33:III.1503.C, LAC 33:III.1509]

### EQT259      **TK-8900, Fixed Roof Tank**

- 1705 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.5109.A]
- 1706 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

### EQT260      **TK-8901, Fixed Roof Tank**

- 1707 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart G is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [LAC 33:III.5109.A]

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### EQT260 TK-8901, Fixed Roof Tank

1708 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

### FUG007 FE-OM, Fugitives Oil Movements

1709 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

1710 Compliance with all the applicable requirements of NSPS, Subpart GGG is considered compliance with all the applicable requirements of LAC 33:III.2121. [LAC 33:III.2121]

1711 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.5109.A]

1712 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51; NESHAP, 40 CFR 61, Subpart J; and NESHAP, Subpart V, 40 CFR 61.242-1 thru 242-10. [LAC 33:III.5109.A, 40 CFR 61.110, 40 CFR 61.242, 40 CFR 63.640-655]

1713 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

1714 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

1715 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

1716 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

1717 Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 60.592(d)]

1718 Submit Notification: Due at least 30 calendar days before a performance test is scheduled. Notify DEQ of the intention to conduct a performance test to allow DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 63.103(b)(2)]

1719 Conduct performance tests according to the provisions in 40 CFR 63.7(e) of subpart A, except conduct performance tests at maximum representative operating conditions for the process. Subpart F. [40 CFR 63.103(b)(3)]

1720 Conduct all required compliance demonstrations for flexible operation units during production of the primary product. Operate each control device, recovery device, and/or recapture device that is required or used for compliance, and associated monitoring systems, without regard for whether the product that is being produced is the primary product or a different product, except as otherwise specified in 40 CFR 63 Subparts F, G and H. Subpart F. [40 CFR 63.103(b)(6)]

1721 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

1722 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

1723 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

1724 Maintenance wastewater: Implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]

1725 Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]

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### FUG007 FE-OM, Fugitives Oil Movements

- 1726 Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.105]
- 1727 Operate and maintain on each opening in the individual drain system a cover and if vented, route the vapors to a process or through a closed vent system to a control device. Maintain the cover and all openings in accordance with the requirements specified in 40 CFR 63.148. Design, operate and inspect the control device in accordance with 40 CFR 63.139. Inspect the closed-vent system in accordance with 40 CFR 63.148. Design and operate the individual drain system to segregate the vapors within the system from other drain systems and the atmosphere. Subpart G. [40 CFR 63.136(b)]
- 1728 Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices and control equipment failures, in accordance with the inspection requirements specified in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.136(c)]
- Which Months: All Year Statistical Basis: None specified
- 1729 When an improper work practice or a control equipment failure is identified, make first efforts at repair no later than 5 calendar days after identification, except as specified in 40 CFR 63.140. Complete repair within 15 calendar days after identification. Subpart G. [40 CFR 63.136(d)]
- 1730 Equip with water seal controls or a tightly fitting cap or plug. Comply with 40 CFR 63.136(e)(1)(i) and (e)(1)(ii). Subpart G. [40 CFR 63.136(e)(1)]
- 1731 Equip each junction box with a tightly fitting solid cover kept in place at all times except during inspection and maintenance. If the junction box is vented, comply with the requirements in 40 CFR 63.136(e)(2)(i) or (e)(2)(ii). Subpart G. [40 CFR 63.136(e)(2)]
- 1732 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visible gaps or cracks in joints, seals, or other emission interfaces. Subpart G. [40 CFR 63.136(e)(3)]
- 1733 Each drain using a tightly fitting cap or plug. Equipment/operational data monitored by visual inspection/determination once initially and once every six months to ensure caps or plugs are in place and that there are no gaps, cracks, or other holes in the cap or plug. Subpart G. [40 CFR 63.136(f)(1)]
- Which Months: All Year Statistical Basis: None specified
- 1734 Junction box: Equipment/operational data monitored by visual inspection/determination once initially and once every six months to ensure that there are no gaps, cracks, or other holes in the cover. Subpart G. [40 CFR 63.136(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1735 Unburied portion of each sewer line: Equipment/operational data monitored by visual inspection/determination once initially and once every six months for indication of cracks or gaps that could result in air emissions. Subpart G. [40 CFR 63.136(f)(3)]
- Which Months: All Year Statistical Basis: None specified
- 1736 When a gap, hole, or crack is identified in a joint or cover, make first efforts at repair no later than 5 calendar days after identification and complete repair within 15 calendar days after identification, except as specified in 40 CFR 63.140. Subpart G. [40 CFR 63.136(g)]
- 1737 Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
- 1738 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]
- 1739 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]
- 1740 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

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### FUG007 FE-OM, Fugitives Oil Movements

- 1741 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 1742 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 1743 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- Which Months: All Year Statistical Basis: None specified

- 1744 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 1745 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 1746 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 1747 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172, or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 1748 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 1749 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 1750 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
- Which Months: All Year Statistical Basis: None specified
- 1751 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- 1752 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]

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- 1753 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.1.63(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1.63(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)]  
Which Months: All Year Statistical Basis: None specified
- 1754 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.1.63(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.1.63(e)(5). Subpart H. [40 CFR 63.1.63(h)]  
Which Months: All Year Statistical Basis: None specified
- 1755 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.1.63(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.1.63(b) through (e). Subpart H. [40 CFR 63.1.63(j)(1)]
- 1756 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.1.63(b) through (e). Subpart H. [40 CFR 63.1.63(j)(2)]  
Which Months: All Year Statistical Basis: None specified
- 1757 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.1.62(b) and 40 CFR 63.1.64(h) and (i). Subpart H. [40 CFR 63.1.64(a)]
- 1758 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.1.72, or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.1.64(b)]
- 1759 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.1.64(c)]
- 1760 Compressors: Equip each barrier fluid system as described in 40 CFR 63.1.64(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.1.64(d)]
- 1761 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.1.64(e)(2)]
- 1762 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.1.71. Subpart H. [40 CFR 63.1.64(g)]
- 1763 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.1.64(a) through (h). Subpart H. [40 CFR 63.1.64(i)(2)]  
Which Months: All Year Statistical Basis: None specified
- 1764 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.1.64(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1.64(g). Subpart H. [40 CFR 63.1.64]
- 1765 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.1.65(a)]  
Which Months: All Year Statistical Basis: None specified

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- 1766 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 1767 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1768 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
- 1769 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 1770 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 1771 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 1772 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 1773 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 1774 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f).
- Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1775 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 1776 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
- Which Months: All Year Statistical Basis: None specified
- 1777 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 1778 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]

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- 1779 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]  
Which Months: All Year Statistical Basis: None specified
- 1780 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- 1781 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(5)]  
Which Months: All Year Statistical Basis: None specified
- 1782 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]  
Which Months: All Year Statistical Basis: None specified
- 1783 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 1784 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]
- 1785 Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(h)]. Subpart H. [40 CFR 63.172(f)(1)(i)]  
Which Months: All Year Statistical Basis: None specified
- 1786 Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]  
Which Months: All Year Statistical Basis: None specified
- 1787 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]  
Which Months: All Year Statistical Basis: None specified
- 1788 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]  
Which Months: All Year Statistical Basis: None specified

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- 1789 Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.1.72(h). Subpart H. [40 CFR 63.1.72(h)]
- 1790 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.1.72(j)(1)]
- Which Months: All Year Statistical Basis: None specified
- 1791 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.1.72(j)(1)]
- 1792 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.1.72(j)(2)]
- 1793 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.1.72(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1794 Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.1.72(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.1.72(f)(1) and (f)(2). Subpart H. [40 CFR 63.1.72(k)(1)]
- 1795 Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.1.72(f)(1) and (f)(2). Subpart H. [40 CFR 63.1.72(k)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1796 Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.1.72(f)(1) and (f)(2). Subpart H. [40 CFR 63.1.72(l)(1)]
- 1797 Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.1.72(f)(1) and (f)(2). Subpart H. [40 CFR 63.1.72(l)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1798 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.1.72(m)]
- 1799 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.1.80(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.1.73(c). Subpart H. [40 CFR 63.1.73(a)]
- Which Months: All Year Statistical Basis: None specified
- 1800 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.1.73(c). Subpart H. [40 CFR 63.1.73(b)]
- Which Months: All Year Statistical Basis: None specified
- 1801 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.1.71. Subpart H. [40 CFR 63.1.73(c)]

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- 1802 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
- 1803 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
- 1804 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
- 1805 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. As specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(g)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]
- Which Months: All Year Statistical Basis: None specified
- 1806 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
- 1807 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
- 1808 Agitators in gas/vapor service or light liquid service (unmanned plant site - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]
- Which Months: All Year Statistical Basis: None specified
- 1809 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]
- Which Months: All Year Statistical Basis: None specified
- 1810 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]
- 1811 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]
- Which Months: All Year Statistical Basis: None specified
- 1812 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

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1813 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]

Which Months: All Year Statistical Basis: None specified  
1814 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]

Which Months: All Year Statistical Basis: None specified  
1815 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]

Which Months: All Year Statistical Basis: None specified  
1816 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]

Which Months: All Year Statistical Basis: None specified  
1817 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]

Which Months: All Year Statistical Basis: None specified  
1818 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]

Which Months: All Year Statistical Basis: None specified  
1819 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]

1820 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]

Which Months: All Year Statistical Basis: None specified  
1821 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]  
1822 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]

1823 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]

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1824 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(e)]

1825 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]

1826 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]

1827 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

1828 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 63.181]

1829 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

1830 Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]

1831 Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

1832 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

1833 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(q)(2) through (q)(4). Subpart H. [40 CFR 63.182(q)]

1834 Comply with 40 CFR 63 Subpart H, except as provided in 40 CFR 63.648(c) through (i). Subpart CC. [40 CFR 63.648(a)]

1835 Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (c)(11). Subpart CC. [40 CFR 63.648(c)]

1836 Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]

1837 Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]

### GRP028 Oil Movements and Loading

1838 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1.11 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1.103]

1839 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:II.1109.B]

1840 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1.303.B]

1841 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1-7. [LAC 33:III.1.305]

1842 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. [LAC 33:III.1.513]

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**AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery**  
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### **GRP028 Oil Movements and Loading**

- 1843 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 1844 Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. [LAC 33:III.2141.A]
- 1845 Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K. [LAC 33:III.2141.A]
- 1846 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 1847 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 1848 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 1849 Carbon monoxide <= 46.26 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1850 Nitrogen oxides <= 8.50 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1851 Particulate matter (10 microns or less) <= 2.53 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1852 Sulfur dioxide <= 0.02 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1853 VOC, Total <= 1429.12 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1854 1,2-Dibromoethane <= 0.002 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1855 1,3-Butadiene <= 0.10 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1856 2,2,4-Trimethylpentane <= 6.68 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1857 Acetonitrile <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1858 Ammonia <= 8.55 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1859 Benzene <= 22.69 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1860 Biphenyl <= 0.12 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1861 Carbon disulfide <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

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### GRP028 Oil Movements and Loading

- 1862 Chlorobenzene <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1863 Copper (and compounds) < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1864 Cresol <= 0.59 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1865 Cumene <= 0.66 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1866 Dichloromethane <= 0.01 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1867 Ethyl benzene <= 13.37 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1868 Hydrogen sulfide <= 0.88 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1869 Methanol <= 1.31 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1870 Methyl ethyl ketone <= 0.18 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1871 Methyl isobutyl ketone <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1872 Methyl Tertiary Butyl Ether <= 0.55 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1873 Naphthalene (and Methyl naphthalenes) <= 2.84 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1874 n-Hexane <= 28.07 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1875 Nickel (and compounds) <= 0.002 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1876 Phenol <= 0.25 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1877 Phosphorus <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1878 Polynuclear Aromatic Hydrocarbons <= 0.02 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1879 Quinoline <= 0.003 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1880 Styrene <= 1.11 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1881 Sulfuric acid <= 0.02 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

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- 1882 Tetrachloroethylene <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1883 Toluene <= 57.67 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1884 Xylene (mixed isomers) <= 116.64 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1885 Zinc (and compounds) < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 1886 Until a settlement is reached with EPA and LDDEQ on related air quality issues, the permittee shall operate all emission sources in compliance with the interim or permitted emission limitations, monitoring and reporting requirements contained in Appendix A of the Administrative Order on Consent dated May 25, 2005 in lieu of the emission limitations and associated requirements contained in Preventive Significant Deterioration Permit No. PSD-LA-199. Upon completion of a settlement on the related issues with EPA and LDDEQ, the permittee shall, within three (3) months after issuance of all of the Part 70 permits for the entire refinery, submit an application to revise and update PSD-LA-199 to incorporate the settlement requirements in their entirety. [LAC 33:III.509, 40 CFR 52.21]
- 1887 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 1888 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 1889 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 1890 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]
- 1891 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 1892 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 1893 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 1894 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:II.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:II.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:II.5107.B.2]
- 1895 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:II.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]

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- 1896 Submit written report. Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 1897 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 1898 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 1899 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 1900 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5111.3.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 1901 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.5111.A.1, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 1902 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 1903 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 1904 Submit notification in writing. Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]
- 1905 Submit notification in writing. Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]
- 1906 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 1907 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 1908 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 1909 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 1910 Submit certified letter. Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 1911 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 1912 Submit notification. Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 1913 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 1914 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

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Activity Number: PER19960010

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### GRP028 Oil Movements and Loading

- 1915 Submit performance evaluation report. Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 1916 Submit notification in writing. Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 1917 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 1918 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 1919 Submit report. Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 1920 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 1921 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 1922 Submit plan. Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 1923 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 1924 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.51.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.51.F.1.f]
- 1925 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 1926 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 1927 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 1928 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 1929 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 1930 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 1931 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 1932 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### GRP028 Oil Movements and Loading

- 1933 Submit registration. Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III, Chapter 59, whichever is later. Include the information listed in LAC 33:III,5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III,5911.A]
- 1934 Submit amended registration. Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III,5911.C]
- 1935 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III,905]
- 1936 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III,91.3]
- 1937 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III,91.7.A]
- 1938 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III,91.7.B]
- 1939 Submit Emission Inventory (EI)/Annual Emissions Statement. Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III,91.9.A-D. [LAC 33:III,91.9.D]
- 1940 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:III, Chapter 39. Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:III,3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III,927]
- 1941 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III,929.A]
- 1942 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 1943 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 1944 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. [Subpart M. [40 CFR 61.148]
- 1945 Benzene. Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 1946 Benzene. Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]
- 1947 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 1948 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 1949 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
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### GRP028 Oil Movements and Loading

- 1950 Submit Title V monitoring results report Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 1951 Submit Title V excess emissions report Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report [40 CFR 70.6(a)(3)(iii)(B)].
- 1952 Submit Title V compliance certification Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 1953 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82 Subpart F]

### GRP029 Group A

- 1954 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point OM-TKGRP-A (Cap) based on the throughput, vapor pressure and temperature of the stored material from all the tanks listed below to no more than 119.21 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput, vapor pressure and temperature of the material stored and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points C-8901, C-8902, D-913, TK-32, TK-33, TK-38, TK-50, TK-59, TK-64, TK-65, TK-66, TK-67, TK-75, TK-102, TK-104, TK-201, TK-203, TK-204, TK-205, TK-206, TK-1004, TK-1005, TK-1006, TK-1014, TK-1024, TK-6308, TK-6336, TK-6338, TK-6339, TK-6342, TK-6345, TK-6352, TK-6360, TK-184874, TK-184878. [LAC 33:III.501.C.6]

### GRP030 Group B

- 1955 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point OM-TKGRP-B (Cap) based on the throughput, vapor pressure and temperature of the stored material from all the tanks listed below to no more than 544.14 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput, vapor pressure and temperature of the material stored and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points TK-1 thru 6, TK-10, TK-31, TK-36, TK-52 thru 56, TK-58, TK-60, TK-61, TK-68, TK-69, TK-71, TK-72, TK-76, TK-200, TK-220, TK-226, TK-300 thru 310, TK-400 thru 409, TK-1405, TK-1406, TK-6301 thru 6305, TK-6309, TK-6310, TK-6313, TK-6314, TK-6343, TK-6344. [LAC 33:III.501.C.6]

### GRP036 Loading Cap

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

### GRP036 Loading Cap

1956 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point LC (Cap) based on the saturation factor, true vapor pressure, molecular weight of vapors, and temperature of the stored material from all the loading operations listed below to no more than 96.41 TPY. The overall VOC emission from the loading operations shall be calculated using the saturation factor, true vapor pressure, molecular weight of vapors, and temperature of the material stored and recorded each month, as well as the VOC emission calculated for all the loading operations for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the loading operations above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1-96, LD, RCL, SCL. [LAC 33:III.501.C.6]

### GRP039 Tank Maintenance

1957 VOC, Total: Permittee shall show compliance with the emission limits, from the tank maintenance and service changes activities, of this permit by maintaining the total overall calculated VOC emissions, Emission Point TKMAINT(CAP) based on the number of tanks taken out of service for maintenance and number of service changes for the tanks listed below to no more than a total of 219.65 tons for the duration of this permit (affective to expiration date). The overall VOC emissions shall be calculated every year and the aggregate for all the years shall be kept for the duration of this permit based on the number of tanks taken out of service for maintenance and for service changes every year. The records of the tanks taken out of service for maintenance with associated emissions and the number of tanks subjected to service changes with associated emissions along with the aggregated total VOC emissions from the affective date of the permit shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions based on the tanks taken out of service for maintenance and for service changes for any year or the aggregate total at any time and for the duration of this permit shall not exceed more than 219.65 tons. Any total VOC emissions above the maximum listed in this specific condition shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total overall calculated VOC emissions as reference above shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 which will include the yearly total VOC emissions and the total VOC emissions aggregate from the affective date of the permit to preceding calendar year. [LAC 33:III.501.C.6]